THE CHEMIST AND DRUGGIST

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Malt Extract

Cod Liver Oil EMULSION

Inquiries invited for samples and terms.

A distinct style of label can be reserved for a Chemist in his locality.

ALLEN & HANBURYS, Ld.
LONDON.

Extract of Malt and Cod Liver Oil

Compound Syrup of Figs

NEW YEAR 1918.

ALLEN & HANBURYS send Greetings and Good Wishes to their many friends in the Drug Trade at Home and Abroad.

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WRIGHT'S COAL TAR SOAP

Retail Price 5d. per tablet,

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	£9 0 0

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1 doz. Wright's Coal Tar Dentifrice @ 6d.	0 6 0
1 gross Wright's Coal Tar Shampoo Powders @ 2d.	1 4 0
	£8 0 0

BUYING PRICE.

8 doz. boxes Wright's Coal Tar Soap @ 132/- gross	£4 8 0
1 doz. Wright's Coal Tar Shaving Sticks @ 6/6	0 6 6
1 doz. Wright's Coal Tar Dentifrice @ 3/6	0 3 6
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AND THE

Best of Good Wishes

FOR A

Brighter & More Prosperous New Year.

❖

GOODS that bear THESE TRADE MARKS

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Manufacturing Chemists

BRIGHTON ENGLAND

It's British
An Alkaline Tonic Aperient Water
PLEASANT IN TASTE & PAINLESS IN ACTION
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LONDON LIVERPOOL & SOUTHAMPTON
Take a Note of the Name
Tonalka
THE BRITISH APERIENT WATER
the sale of which will bring
INCREASED PROSPERITY
IN 1918.
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LONDON, N.W.

19 18

GREETING.—

To all our friends in the Drug Trade we give New Year Greetings, hoping that for all the coming year will bring

PEACE AND PROSPERITY

We will help by providing supplies for Export and Home Trade, thus assisting in the struggle for success in war and trade.

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R. J. REUTER

Begs to thank his numerous customers for the generous support they have given him during 1917, and presents to all of them his Best Wishes for 1918.

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LONDON, E.C.

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A RELIABLE HOUSE FOR

All Pharmaceutical Preparations

CONCENTRATED WATERS.
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LIQUID EXTRACTS.
LEVIGATED OINTMENTS.
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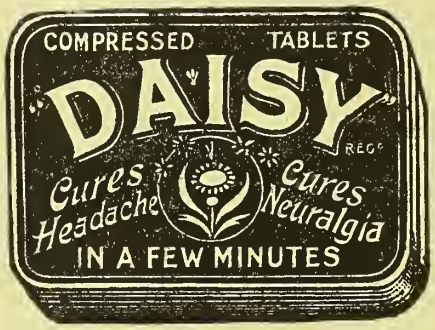

In these nerve-racking times "DAISY" is more popular than ever for soldier and civilian. The Chemist finds a steady demand, and the profits on the sales make "DAISY" well worth handling. There is always abundant advertising to the public to assist the Chemist. Increased orders for "DAISY" mean Increased Prosperity in the New Year.

DAISY LTD., LEEDS.

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ANTISEPTIC THROAT
PASTILLES

Our WINTER ADVERTISING CAMPAIGN in the chief National Papers is now in full swing. This, following up the announcements which have been appearing regularly in the Press through the summer, have created a record demand.

SEE THAT YOU HOLD STOCKS

To ensure prompt delivery send in your order AT ONCE. Don't disappoint prospective customers—a customer disappointed is often a customer irretrievably lost.

PRICES :

1/3 size ... 12/- per dozen, net one month.
5/- „ ... 52/- „ „ „

In £5 lots, less 5% discount.
(On P.A.T.A. List.)

Stock the Pastilles, which never fail to satisfy the purchaser. Discountenance imitations (which though similar in appearance and lower in price are entirely different in composition), thereby protecting your customers and yourself from disappointment and annoyance.

All genuine Pastilles marked with a raised bar.

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Fully answering requirements of B.P. and other Pharmacopœias, Unexcelled in Uniformity of Quality, Brilliant Crystallisation and Purity of Colour.

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TOOTH "OZOMINT" PASTE

Prepared with Chlorate of Potash.

Allows you a handsome protected profit. We co-operate with your Dentist friends to increase sales. Striking Showcards, Cut-outs & Literature supplied. Bonus for Window shows. Will keep in any climate.

CUXSON, GERRARD & CO., LTD., Manufacturers, OLDBURY.

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Citric Acid
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Thymol Crystals
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The only actual manufacturing Wax Chandler and Oil Refiner in the City of London.

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"FARRIS'S"

The Real Old-fashioned Kind.
Guaranteed Genuine Air-Bleached B.P.

IMMEDIATE DELIVERY FROM STOCK.

Salvo Petrolia

the perfection of Petroleum Jelly

in qualities, white, lemon, yellow and golden, for pharmaceutical purposes.

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The Dee Oil Company, Ltd.

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Packed in barrels, kegs, and smaller packages according to requirements.

Inquiries are solicited for this article of **BRITISH MANUFACTURE,** and buyers may rely that for quality and price it will meet any competition.

Other Grades

Petroleum Jellies, White Bases, &c.

Samples and prices on application.

"OLEUM DEELINÆ," a certain cure for Eczema.

'Phone: 186 Bootle. Wires: "Cestrian Liverpool."

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7/12 ALDERSGATE STREET
LONDON
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CABLES: ELEVEN LONDON

CODE: A:B:C 4TH & 5TH EDITION

Maw's Page.

NUMBER 324. DECEMBER 29, 1917.

THE DIRECTORS AND STAFF OF THE "HOUSE OF MAW" SEND TO THEIR FRIENDS, GREETINGS AND SINCERE GOOD WISHES FOR A NEW YEAR WHICH SHALL BRING AN EARLY AND LASTING PEACE TO ALL THE WORLD.

HOURS OF BUSINESS: 8.30 a.m.—5.30 p.m. CLOSE AT 1 p.m. SATURDAYS.

HOW I HAVE BEEN WORRIED BY THE RUSH FOR "SWEETABS"

THE NEW SUGAR SUBSTITUTE AND SUPPLEMENT.

By J. E. GARRATT

When, about four months ago, I first brought out this line of dainty and effective sweetening tablets, I had no idea what I was letting myself in for.

I had it, as I thought, all ready to launch out, and with what I had then considered a fair starting stock.

I put an advertisement into one or two trade papers, mentioned it personally to one (only) provincial wholesaler, and let one (only) of all my staff of travellers start taking orders for it, thinking to feel my way with it first.

Between them, those "feelers" at once cleared out my starting stock, and since (up till the last few weeks, when I have at last beaten them) it was as much as I could do to make and pack stock to keep those early starters going, and I had to stop all advertising and "keep on sawing wood" trying to build a proper starting stock.

At last, however (in this matter of a good stock in hand), I have been able to get where I dare let it go, and offer the line generally to the Trade, as I now do by this announcement (see next page).

Now I am really ready for you, so you can send in your orders for "Sweetabs" as fast as you like, and I have reasonable hopes of keeping pace with you in despatches.

The shortage of proper clerical help in these days makes book-keeping a nuisance.

To lessen this and get you started with "Sweetabs" on excellent terms (for you), I make you a special extra 5 per cent. profit (so 25 per cent.) Cash-with-Order Offer (to avoid book-keeping on that order, anyway) of a reasonable-sized starting lot.

"Sweetabs" really are effective sweeteners, many times sweeter than sugar.

One of the chief reasons for their brisk self-sale wherever they are given a stand in window or on counter, is their extreme convenience.

Ladies (as well as men) buy them wherever shown and carry the little boxes of these dainty tablets about with them in bags and pockets wherever they go—travelling, visiting, to restaurants, hotels, at home, anywhere where there is a danger of an absence or a shortage of Sugar. "Sweetabs" make them independent of the sugar basin.

By-the-by, those "in the know" predict that the tightness of sugar will be some time yet before it loosens—probably has to get tighter yet — despite the sugar cards.

That is why it is worth while to get in a stock of "Sweetabs" whilst I can still let you have some.

It is well worth your while to take advantage of the special offer I make you on the next page. Take hold of it and you will soon find that "Sweetabs" sweeten your week's takings amongst other things.

Note the next page offer and send the order on now, before you forget it.

You can get the extra 5 per cent. on any assortment you prefer so that the one order for this extra 5 per cent. is not less than 33/- net nor more than £10 net.

See next page and secure that extra profit lot.

SWEETABS

SEE ABOVE ARTICLE AND

NEXT PAGE

FOR

25% PROFIT OFFER

A QUITE NEW QUICK SELLER

This Article and Showcard in your window pulls "passers-by" into your shop—and so is actually your advertisement.

SEE OPPOSITE PAGE

SEE OPPOSITE PAGE

SWEETABS

THE NEW SWEETENERS

For Sweetening all Beverages and Foods.

SWEETER THAN SUGAR

Retail Price per Box

20 Tablets.	50 Tablets.	100 Tablets.	1000 Tablets.
6D.	1/2	2/-	18/-

BETTER THAN SACCHARINE

Dainty compressed tablets made of a new and remarkable substance many times sweeter than sugar. Much superior to saccharine, being healthier and more palatable. Do not upset the most delicate digestion of infants or adults.

SEE OPPOSITE PAGE

SEE OPPOSITE PAGE

DIRECTIONS FOR USE.

1 or 2 Sweetabs sweeten cup of Tea, Coffee, Lemonade, etc., or can be crushed and used to sweeten Stewed Fruit, Porridge, Milk Puddings, etc.

Wholesale Prices: 20's 4/10, 50's 11/3, 100's 19/3 per doz., 1,000's 14/5 each, carriage paid on £2 and upward. Present supplies being limited, all orders filled in rotation of receipt, but preference given to acceptors of Special Offer below.

SPECIAL STARTING OFFER.

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A Word about Substitution.

THIS, as a rule, is a subject about which the retail pharmacist and the proprietary-owner must agree to differ.

If we may attempt to see it from the retailer's standpoint, it is, we presume, purely a question of business: either it pays him to push substitutes for a given proprietary, or it does not; if it pays him, he has a perfect right to do it, and the proprietary-owner has no right to complain.

Now, where the proprietary article possesses no special and unique merits, and is therefore easily duplicated, substitution is unquestionably profitable to the retailer. For, in these cases, the substitute is fully as good as the original product, and gives equal satisfaction to the customer; and the only difference is that the retailer makes a higher profit for himself.

But what of preparations like Sanatogen and Formamint where the substitutes are palpably *not* the same thing, and it is useless to hope that the customer won't notice the difference? Does substitution pay in these cases?

Consider, first, the effect produced on a customer who has already used genuine Sanatogen. He is assured that the substitute is the same thing, so he tries it and finds that it is not. More often than not, he goes elsewhere for his next tin of Sanatogen. The retailer has made a few pence extra profit on the one transaction, but he has alienated a regular purchaser of Sanatogen.

Then take the case of a customer not previously acquainted with Sanatogen who buys a substitute in the belief that it is the real thing. The chances are he will be so disappointed with the result that he will avoid tonic-foods in the future; whereas if he had been given genuine Sanatogen in the first place he would probably have become a frequent purchaser of it.

These, perhaps, are extreme instances: the fact remains that if satisfied customers and a steady and permanent sale count for more in the long run than an extra profit on a few isolated purchases, then it pays to push genuine Sanatogen and Formamint.

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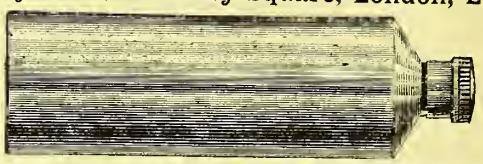

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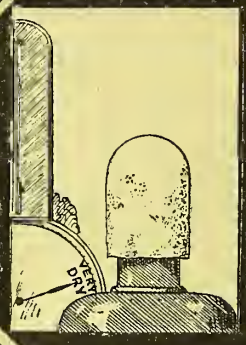

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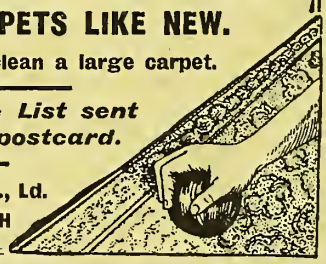

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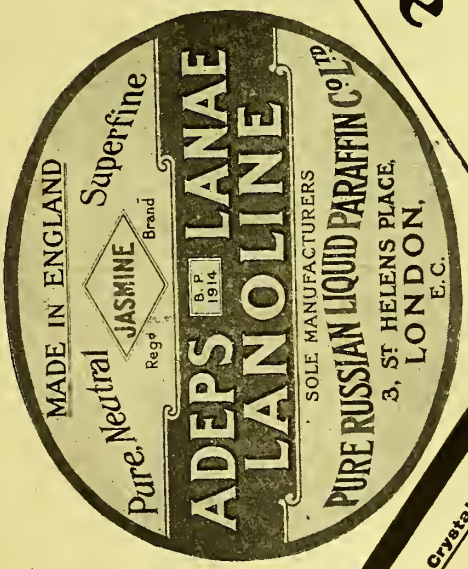

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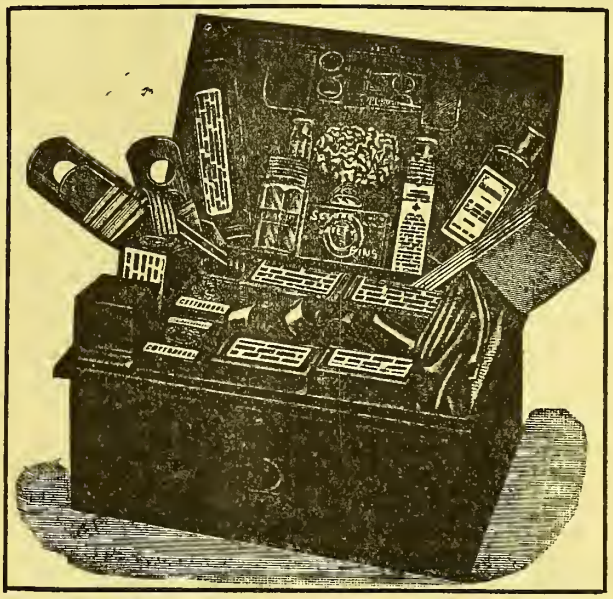

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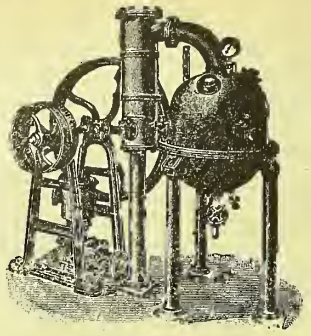

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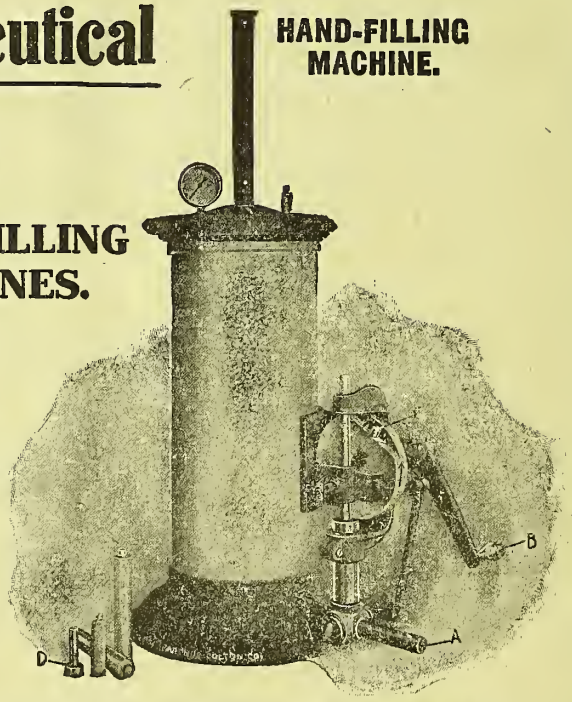

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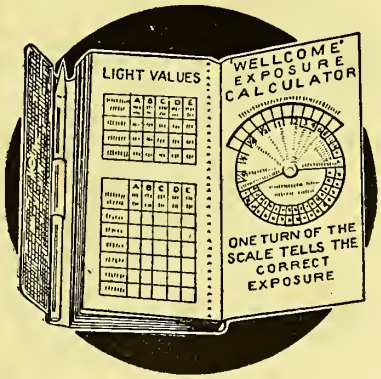

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Wills.

MR. HERBERT ELEY, chemist and druggist, 8 Holme Road, Matlock Bath, who died on October 13, left estate valued at 4,388*l.* 3*s.* 11*d.* gross, with net personalty 4,294*l.* 15*s.* 2*d.*

MR. WILLIAM CADWALADR JONES, chemist and dentist, 4B Queen's Road, Bayswater, London, W., who died on July 17, left estate valued at 3,021*l.* 3*s.* gross, with net personalty 380*l.* 8*s.* 1*d.*

ALDERMAN JOHN JAMES EVANS, J.P., Brackenwood, Higher Babington, Cheshire, ex-chairman of Evans Sons Lescher & Webb, Ltd., who died on August 2, has left property of the value of 84,045*l.* 19*s.*, of which 45,053*l.* 4*s.* 10*d.* is net personalty.

MR. JOHN HIGSON, 2 Heathville Road, Crouch Hill, London, N., late a director of Claudius Ash, Sons & Co., Ltd., dentists' material manufacturers, who died on October 26, left estate valued at 3,606*l.* 4*s.* 1*d.* gross, with net personalty 3,487*l.* 12*s.* 9*d.*

MR. WILLIAM FINCH SMITH, chemist and druggist, Tor Villa, Abingdon, who died on August 4, left property of the value of 34,438*l.* 7*s.* 6*d.* gross and 34,400*l.* 15*s.* net. The testator gives 1,000*l.* to Abingdon Cottage Hospital should he not already have given a like sum, and 200*l.* to Royssess School for a prize for chemistry.

European War News.

Import and Export Notices.

FRENCH COLONIES.—A French Presidential Decree, dated November 30, prohibits the exportation and re-exportation of magnesia and carbonate of magnesia from the French Colonies and Protectorates (other than Tunis and Morocco) to all destinations other than France and the French Colonies and Protectorates.

UNITED KINGDOM.—The following headings have been deleted from the list of prohibited exports: (*c*) Matches; (*b*) nightlights; (*b*) terebene and articles containing terebene; (*b*) turpentine (oil and spirit) and articles containing turpentine; (*a*) turpentine substitute, not otherwise specifically prohibited, and articles containing such substitute; (*b*) varnishes containing shellac, oil, or turpentine, not otherwise prohibited. The following headings have been added: (*a*) Matches; (*a*) nightlights, manufactured wholly or partly of paraffin wax or tallow; (*c*) nightlights (except nightlights manufactured wholly or partly of paraffin wax or tallow); (*a*) terebene and articles containing terebene; (*a*) turpentine (oil and spirit) and articles containing turpentine; (*a*) turpentine substitute and articles containing turpentine substitute.

Oxygen Order.

An Order was made on December 17 under the Defence of the Realm Act that until further notice the sale and supply of oxygen in the United Kingdom shall be regulated in accordance with such directions as may from time to time be given by the Director of Materials and Priority, Admiralty. The Order states that (1) no person or company manufacturing or supplying oxygen shall sell or supply the same otherwise than to such persons or companies and in such quantities as the said Director of Materials and Priority shall from time to time direct. (2) All persons and companies manufacturing or supplying oxygen for sale or for their own use, and all persons and companies requiring to purchase oxygen shall render such full and accurate returns as the said Director of Materials and Priority shall from time to time direct.

One-Man Businesses.

The following are among the proposals connected with one-man businesses which are made in the circular issued to Military Tribunals by the Local Government Board (see *C. & D.*, December 22, p. 33). The Tribunals are to arrange that all cases of men in the same trade shall be heard at the same time, and before the cases are decided a survey should be made of the essential needs of the district so far as particular trades are concerned. One competent person should be appointed to act for each trade, and a group of traders should be got together to help. Sole proprietors of businesses in Grades I. and II. (Categories A, B1, or C1) are to be made available for the Army to the fullest reasonable extent. As regards sole proprietors of businesses in Grade III. (B2, C2, B3, or C3) applications for exemption are not to be opposed, but a condition of exemption should be imposed that they engage in some work of national importance. This may consist of helping to maintain the businesses of others in the same trade called to the Army, special constable work, etc. "If the man is already engaged in essential work the Tribunal must consider whether it is reasonable in the national interest to require him to undertake additional work." It is stated also that the issue of this circular letter may properly be regarded as a new fact which justifies a Tribunal in granting a rehearing in a suitable case.

Personalia.

MAJOR S. A. TRICK, West India Regiment, who has recently been promoted, and is now second in command of his battalion, is the youngest son of Mr. W. B. Trick, J.P., chemist and druggist, New Barnet.

LIEUTENANT T. W. THEAKSTON (Prichard & Constance, Ltd.) was mentioned in Sir Douglas Haig's despatch of November 7 for gallant service on the Western Front. Mr. Theakston, who is a pharmaceutical chemist, has a great many friends in the drug-trade who will be pleased to hear of his progress.

CAPTAIN HERBERT C. MABEN, Worcestershire Regiment, has been gazetted Adjutant. Captain Maben is just completing his third year at the Western Front. While a private in the London Scottish he was wounded at Loos on September 25, 1915, and on his recovery he received a commission. He was mentioned in despatches last spring, and in June of this year was promoted Captain. He is the youngest son of Mr. T. Maben, Ph.C., who has, for many years, been head of the Medical and Scientific Department of the London branch of Parke, Davis & Co.

B

Miscellaneous.

TIN has now been specified by the Minister of Munitions as a war material under the powers conferred by Regulation 30 B.

TOILET-SPIRIT.—Correspondence by the Hairdressers' Guild with the Ministry of Munitions has elicited a faint hope that supplies of spirit may be left for general distribution after war-purposes have been met, but if this fails the barber will have to content himself with undiluted oil. The Association of Manufacturing Chemists, Ltd., inform us that they are endeavouring to secure the release of spirit for shampoo-liquids.

ADVERTISING OF CONTROLLED FIRMS.—In order to remove misconceptions, the Ministry of Munitions states that no arbitrary rule has been formulated in reference to the advertising expenses of controlled establishments. In dealing with such establishments for the purpose of munitions levy it has been the practice of the Ministry to make full allowance for advertising on a pre-war basis; and, while it is possible that cases may arise in contracts with the Ministry in which advertising charges would have to be more or less disregarded owing to the particular contract basis, such charges are in general treated as part of the legitimate establishment-charges of the firm. All such cases are dealt with separately on their merits.

CONTROL OF LIGHTING.—A regulation (11A.) made under the Defence of the Realm Act states that the Ministry of Munitions may, with a view to maintaining or increasing the supply of light, heat, or power for the purpose of the production, repair, or transport of war material, or any other work necessary for the successful prosecution of the war, by Order direct that lights of any specified class or description shall be extinguished or their use restricted to such extent, between such hours, within such area, on such premises, and during such period as may be specified in the Order, and if any person having control of any light, or occupying, or having control of, or managing, or being in charge of premises in, on, or in connection with which any light is used acts in contravention of any such Order, he shall be guilty of a summary offence against these regulations.

THE CREAM ORDER of the Food Controller, which came into force on December 8, will continue in force until April 30. The first clause deals with the use and sale of cream, and forbids the use of cream except for butter-making or such other purpose as the Food Controller may authorise from time to time. The second clause makes certain exceptions; it provides that the first clause shall not affect "the consumption of fresh cream by children under the age of five years, patients in hospitals and other similar institutions, and invalids or other persons needing cream in the interests of their health." The person who sells or supplies the cream must in all such cases obtain certain documents which he must preserve and produce if required for the inspection of any person authorised in that behalf by the Food Controller or a Food Committee. The document in the case of a child must show its name, age, and address, the maximum amount to be supplied, and the person to whom it is supplied; in the case of a hospital or institution, the name and address of the institution and the maximum amount to be supplied; in the case of an invalid or other person needing cream in the interests of health, the name and address of the person, the maximum amount to be supplied, the period of supply, "and the name and address of a duly qualified medical practitioner who has authorised such supply, and the date of such authority."

Almanacs and Calendars.

We have received several almanacs, calendars, and other publications which wholesale houses and retail chemists distribute at this season. The number is smaller than usual, but the standard of past years seems to be well maintained:

MR. ALEXANDER TURNER, Ph.C., Buccleugh Street, Dumfries, sends out a wall calendar ($10\frac{3}{4}$ in. by $7\frac{3}{4}$ in.), in the central space of which is a colour print of J. MacWhirter's "Highland Beauties." The tone and arrangement of the production are in excellent taste.

THE HILLCREST OIL CO. (BRADFORD), LTD., Clayton, Manchester, issue a high-class wall calendar (17 in. by 12 in.), which consists, in addition to the tear-off portion, of a large reproduction in colours of R. Wheelwright's picture, "In Time of War"—a study of a woman driving the plough.

MR. M. F. THOMPSON, pharmacist, Gordon Street, Glasgow, offers two calendars from which to chose. Both are of the tear-off order, and include a striking picture in colour—in one case, the portrait of a lady; in the other, a spray of roses. They measure respectively $12\frac{1}{4}$ in. by $7\frac{1}{2}$ in. and 13 in. × $9\frac{1}{4}$ in.

Military Tribunals' Decisions.

SINCE OUR LAST REPORT the following decisions have been notified:

BAMPTON.—The appeal of Mr. A. E. Dutton, son of Mr. G. W. Dutton, chemist and druggist, was dismissed, appellant not to be called up for two months.

CAMBERWELL.—The case of Mr. C. Davies, dispensing chemist, who stated that he was handling over a thousand Insurance prescriptions a month, was adjourned for his examination by a Medical Board. Exception was taken by the National Service Representative to the tone of letters received from the London Pharmaceutical Committee, with whom he had previously come to an agreement as to the names of chemists essential to the borough.

DOUGLAS (ISLE OF MAN).—Nine months' exemption was granted to Mr. C. C. Crellin, apprentice with Mr. J. W. Kermode, chemist and druggist, in order that the apprenticeship may be completed.

FAIRFORD.—A further three months' exemption was granted to Mr. Frederick William Manning, chemist and druggist.

KIRKCALDY.—Conditional exemption was granted to Messrs. Robert S. Herd, David Street, and Francis G. Stewart, Commercial Street, pharmacists.

KIRTON.—The appeal of the military authority against exemption to Mr. L. C. Peters, assistant with Mr. A. Shepperson, chemist and druggist, was allowed.

LONDON.—Exemption to February 15, 1918, was granted by the Commons Tribunal to an engineer and fitter named Bridgland, employed by the Marmite Food Extract Co., Ltd., Eastcheap, E.C. The Chairman of the Tribunal characterised as a tragedy the fact that a skilled workman had been posted to the A.S.C. as a learner and set to washing doors and plates.—Hammersmith Tribunal adjourned the application of Mr. L. W. de Koningh, pharmacist, Shepherd's Bush Road, for a month.

MINEHEAD.—The appeal of Mr. Fred Whitham, chemist and druggist, who has a partner of military age, was dismissed.

PEMBROKE.—The appeal of Mr. Daniel Davies, chemist and druggist, for S. G. Clarke, apprentice, was dismissed, the calling-up notice to take effect on February 1, 1918.

RETFORD.—Three months' exemption was granted to Mr. John R. Hebditch, chemist and druggist.

ROCHDALE.—Temporary exemption to February 28, 1918, was granted to Mr. S. H. Cheetham, chemist and druggist, and Mr. G. Swarbrick, assistant with J. J. Thomas & Son, chemists.

ROCHESTER.—Three months' exemption was granted to Mr. H. C. H. Freestone, pharmacist, manager to Ostler & Co., Ltd., chemists, High Street, Strood.

ROTHESAY.—The cases of Messrs. George G. Hill and William Meldrum, chemists, were adjourned pending a meeting of the Insurance Committee to decide on the needs of the district.

SHEFFIELD.—Conditional exemption was granted to Mr. L. Leadbeater, assistant with Mr. J. B. Pater, chemist and druggist, Broomhill.

SHOREDITCH.—Mr. James E. Housman (Bewells, Ltd.), was granted six months' exemption. On the question of work of national importance, Mr. Housman stated that he kept cows and supplied the poor with milk at 6*d.* per quart, and with butter. The suggestion of a V.T.C. condition was then dropped.

SIDMOUTH.—Six months' exemption was granted to Mr. G. Skinner, chemist and druggist.

SOUTHWARK.—Attention was called to the case of an assistant with Boots, Ltd., who was conditionally exempted by this Tribunal and held a second certificate obtained at Nottingham, although the company, it was stated, were prepared to release him for the Army. It was decided to withdraw the certificate and to communicate with the Nottingham Tribunal.—Six months' exemption was granted to a foreman at the works of Stevenson & Howell, Ltd., manufacturing chemists, 95A Southwark Street.—Four months' exemption was granted to a lozenge-maker, employed by Smith & Co., 132 Borough High Street, for the past twenty-eight years.—A maker of surgical appliances with Powell & Barstow, Ltd., 246A Borough High Street, was granted three months' exemption.

TREATMENT OF MINOR INJURIES IN FACTORIES.—A new edition of this leaflet has been issued by the Factory Department of the Home Office (Stationery Office, 1*d.*). The formula is given of the cocaine and alkaline solutions used for the eyes, and for use in preventing eczema from lubricating-oil a cream of equal parts of lanoline and castor oil is recommended.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Birmingham Minimum Prices.

The December price-list issued by the Minimum Prices Committee of the Birmingham Pharmaceutical Association includes the following alterations, among others:

Dressings and Drugs.

	1 oz.	2 oz.	4 oz.	1 lb.
	d.	*d.*	*s. d.*	*s. d.*
Boric lint	3½	6½	1 0	3 6
Cotton-wool	4	7½	1 1½	3 9
Essence of almonds ...	1*s.*	—	—	—
,, peppermint ...	9	—	—	—
,, vanilla	10	—	—	—
Gamgee tissue	—	—	—	3 9
Lint...	4½	8½	1 4	5 0
Sweet spirit of nitre ...	5½	—	—	—
Tincture of myrrh	7	—	—	—
,, opium	11	—	—	—

Proprietaries.

Clarke's Blood Mixture, 2*s.* 6*d.*
Erasmic Soap, 5*d.* per tablet.
Gibbs's Cold Cream Soap, 6*d.* per tablet.
Premier Vinolia Soap, 5*d.* per tablet.
Wright's Coal Tar Soap, 5*d.* per tablet.

Contracts.

The following tenders have been accepted by the public bodies named:

Lewes Guardians.—Boots, Ltd., drugs.

Macclesfield Guardians.—Mr. E. Brian, chemist and druggist, drugs.

Maidstone Guardians.—Oxo, Ltd., oxo.

The following Government contracts were notified during November:

WAR OFFICE.—*Chloride of Lime.*—United Alkali Co., Ltd. *Dental Outfits.*—C. Ash, Sons & Co., Ltd.; Dental Manufacuring Co., Ltd.; F. H. Hallam & Son, Ltd. *Marking-ink.*—E. M. Richford. *Medicines.*—Allen & Hanburys, Ltd.; John Bell & Croyden, Ltd.; W. Blythe & Co.; Burgoyne, Burbidges & Co., Ltd.; London Chemical Works, Ltd.; J. Tye & Son; Whiffen & Sons, Ltd. *Methylated Spirit.*—W. T. Alexander; B. Biggs & Co., Ltd.; Bristol Distilling Co., Ltd.; Bellingham & Co., Ltd.; J. Burrough, Ltd.; Davis Bros., Ltd.; Jones & Co.; Little Kitchener Co.; Sutton, Carden & Co.; A. Vickers, Ltd.; J. & J. Vickers & Co., Ltd.; Waters & Co., Ltd. *Mineral Jelly.*—Vacuum Oil Co., Ltd. *Paraffin Wax.*—Burmah Oil Co., Ltd. *Photographic Stores.*—Foxcroft & Co., Ltd.; A. Herbert, Ltd.; Williamson Kinematograph Co., Ltd. *Soap.*—W. Boyle & Sons; Carr & Son; Day & Martin, Ltd. *Surgical Materials.*—Cuxson, Gerrard & Co.; S. Maw, Son & Sons, Ltd.; E. Shrimpton & Fletcher; Siebe, Gorman & Co. *Tetanus Antitoxin.*—Lister Institute.

INDIA OFFICE.—*Apparatus.*—Parke, Davis & Co.

Liverpool.

At a recent inquest on a female pest of pharmacists, the evidence showed that she had a store of 2*l.* worth of chlorodyne. It had been her habit to send adults to buy small quantities on her behalf.

The first meeting of the Liverpool Chemists' Association in January will witness a change in the programme. A Glasgow pharmacist has postponed his proposed visit, and a local M.Ph.Soc. has been called upon.

Many tradesmen closed on Sunday, Monday, Tuesday, and Wednesday, and most on Sunday, Tuesday, and Wednesday. Chemists and druggists, however, had to be contented with Sunday hours on Christmas Day.

Fears that the tank bank which gobbled up savings for the War Fund would spoil Christmas trade were not realised. High wages went largely in luxuries, and in some pharmacies white and coloured customers vied in purchasing perfumery.

Sheffield.

The Board of Guardians has increased the salary of Mr. S. G. Carey, assistant dispenser, and Miss M. L. Allan, second assistant dispenser, by 10*l.* per annum.

Local pharmacists should make a note that the omission of the City Authorities to place Sheffield under Section 1 of the Venereal Diseases Act has been rectified, which was gazetted on December 18 (*C. & D.*, December 22, p. 34), and takes effect from March 1, 1918.

Many chemists have made record sales in toilet articles and perfumes for presents. There has been a marked demand for goods suitable for sending to the boys overseas. Considering the times, window-displays have been well up to the average Christmas shows, generally the more expensive perfumes. Cases have not been in demand.

A number of National Insurance scripts are being presented to the Pricing Bureau with only the signature of the *locum tenens*, acting for a panel doctor. It is desirable that the panel doctor's name should also be given in order that they may be classified. The Insurance Committee are experiencing some difficulty in confirming these prescriptions.

All kinds of rumours have been about lately on the likely further call upon chemists of military age. Up to the present the local military authorities have received no further instructions from headquarters, and any notice which may have been received has only been as a confirmation that the chemist is holding a Tribunal exemption certificate.

Miscellaneous.

ANOTHER BANK HOLIDAY.—A proclamation in the "London Gazette," December 21, appoints January 1 as a Bank Holiday in England and Wales and in Ireland under the provisions of the Bank Holidays Act, 1871.

WAGES ARBITRATION CASES.—Recent awards of advanced wages include the following: Parke, Davis & Co., men 6*s.* weekly (minimum, 38*s.* weekly), women 4*s.* weekly (minimum, 20*s.* weekly), boys 3*s.* weekly; Brunner, Mond & Co., Ltd., men 7*s.* weekly, boys the customary equivalent, overtime rate (men) 1*s.* per hour.

D.O.R.A. OFFENCE.—At Sleaford on December 17, Mr. John Ridal Wood, chemist and druggist, Sleaford, was fined 10*s.* for failing to keep a list of male employés on November 27. He had an employé over the age of fifty, and he stated that he did not think it necessary to post a list for men over the age of forty-one.

SPEED OF GAS-CONTAINER TRAILERS.—The Local Government Board has issued an Order relieving, for the period of the war and twelve months thereafter, heavy motor-cars drawing a "gas-container trailer" from the restriction to a speed not exceeding five miles an hour to which they would be otherwise liable. The trailer must be used solely for carrying a bag or other receptacle for gas, must not exceed a weight unladen of 15 cwt., and must have all its wheels fitted with pneumatic tyres or tyres made of a soft or elastic material.

SALE OF FOOD AND DRUGS ACTS.—The recently issued annual report of the medical officer of health for the borough of Islington states that, among the samples of drugs examined, one of ammoniated tincture of quinine was found to be "rather deficient" in ammonia and two of boric-acid ointment were deficient in boric acid (16.7 and 12.7 per cent. respectively). For the detection of infectious diseases 951 bacteriological examinations were made.—In the borough of Camberwell during the past quarter two samples of camphorated oil were submitted for analysis, both being certified as genuine.

DANGER OF SILICA-DUST.—A report has just been issued by the Home Office on the manufacture of silica-bricks and other refractory materials used in furnaces, with special reference to the effects of dust-inhalation upon the workers. It is established that silica-workers are particularly liable to phthisis, due to the inhalation of the sharp particles of silica-dust. The report makes a number of recommendations. The breaking up of silica should be carried on in the open air, and the crushing-machine should be provided with an exhaust draught and moistening apparatus. The workers are to be provided with respirators.

ELECTRIC POWER.—The Coal Conservation Sub-Committee has presented a report to the Minister of Reconstruction which, with the object of conserving and utilising the coal resources of the country in the most efficient manner, recommends the erection of sixteen large super-power stations for the whole country, with the object of supplying electric power to the industries. The supply of electricity is at present carried on by about 600 companies and municipalities. By supplying current from central stations an annual saving of 55 million tons of coal can be made, and in addition the whole of the by-products would be utilised. The generating power of each station, it is suggested, should be a minimum of 20,000 h.p., but some districts would need 55,000 h.p. The undertaking, it is assumed, should be controlled by a National Board of Electricity Commissioners.

T.N.T. POISONING.—A report has been issued by the National Insurance Medical Research Committee dealing with poisoning by trinitrotoluol. It is pointed out that the first, and most obvious, result of T.N.T. absorption, whether through the skin or otherwise, is a chemical change in the hæmoglobin of the red blood corpuscles impairing the oxygen-carrying function of the blood with the usual symptoms. From this condition the body, if the entry

of more poison is prevented, can rapidly recover, the process being accelerated by access to abundant fresh air and cessation from work involving the handling of the substance. The fatal results which follow T.N.T. poisoning are due to two other pathological conditions, the one being a destruction of liver substance and the other a condition in which the blood-forming organs fail in function. Dr. Moore, however, regards the two causes of fatal T.N.T. poisoning as secondary results of that action of the poison which, first, has the effect of impairing the oxygen-carrying function of the blood, and he takes the view that, if this primary evil is taken in hand promptly, the others are not likely to ensue.

INDUSTRIAL BANKING.—An important report has been issued by the Committee on Banking of the British Empire Producers' Organisation, Kingsway House, London, W.C. 2, which sets forth a scheme to afford readier financial support on sound principles throughout the United Kingdom and the Overseas Dominions and Colonies for producers and manufacturers. Among other results it is intended that there shall be no opening for German financial intrigue in obtaining control of any group of industry. It is claimed for the scheme that on the one hand it involves no departure from methods which have been successfully demonstrated on a national scale, and on the other hand it conflicts in no way with the ordinary business of joint-stock banks.

DENTAL MECHANICS.—A report issued by the Employment Department of the Ministry of Labour, in collaboration with the Ministry of Pensions, has been issued, dealing with the conditions of work for dental mechanics. The report is of interest as dealing with the employment of disabled sailors and soldiers, and also as having been drawn up by a Trade Advisory Committee of five representatives nominated by the British Dental Association. It mentions the kind of work a dental mechanic is employed to do and the qualities required in those who take up the occupation. The average wage earned by a fully qualified dental mechanic is 2*l.* 10*s.* a week. The hours are usually eight a day. In regard to training, the Minister of Pensions has laid down the conditions which are to be observed in regard to training disabled men in this trade. The instruction, which covers a maximum of one year, is to be taken in a technical school or in the laboratory of a registered dental practitioner. The Local War Pensions Committee pay the disabled man during his training the difference between the sum he receives from his employer and 27*s.* 6*d.* per week. It is suggested that technical-school classes be established so soon as possible in London, in Leeds, and in either Liverpool or Manchester; also one centre each in Scotland and Ireland. An outline is given of the course of instruction desirable.

LONDON CHAMBER OF COMMERCE.—At a largely attended meeting of members of the Patents, Trade-marks, and Designs Section of the London Chamber of Commerce the terms of the Government Bills to amend (*a*) the Patents and Designs Act, 1907, and (*b*) the Trade-marks Act, 1905, were considered, and Committees were appointed to take action to secure certain necessary amendments in both measures. The Section expressed the view, having regard to the fact that the question of the prolongation or extension of patents has arisen solely from the conditions of the war, and should terminate on its conclusion, that any legislative proposals necessary to deal with that question should be embodied in a separate measure and passed into law as speedily as possible, and that as many of the other proposals in the Patents Bill are of a contentious nature the Section suggests that they should be embodied in a separate measure. Similarly, strong objections were taken to certain clauses of the Trade-marks Bill, especially Clause 7, providing for the removal from the register of trade-marks used as names of articles. The "Times," dealing with this matter, states:

> The law governing trade-marks and patents is not so well known to manufacturers as it ought to be, and many valuable rights have been lost through a misapprehension of the rights acquired by patent and trade-mark registration respectively. For instance, the inventor of an article may protect his rights by patent, but if he gives it a name by which alone it can be described, at the expiration of fourteen years that name is open to anyone to use, as he needs must, if he is to manufacture and sell the article. There is nothing to prevent the inventor from giving his article a name open to the public and educating them to buy his particular brand and to use his brand name for the purpose, but he should not try to monopolise the only name. This applies to new manufactures not the subject of patents, and the owner can protect himself if he takes the proper precautions and is careful to use the name to indicate his manufacture.

Irish News.

Brevities.

Sir Charles Cameron, analyst to the Killarney Union, applied for an increase in salary, but the matter was adjourned for one month.

Mr. J. M. Whyte acted for the Cromac Ward, Belfast, as Organising Secretary for the "Holly Day" house-to-house collection on December 21. The money raised is to be devoted to the upkeep of the three local railway-station buffets for sailors and soldiers.

Mr. Thomas Connolly, assistant with Mr. Leavy, the Medical Hall, Mountmethick, has received a cheque for a guinea and a certificate from Ayrton, Saunders & Co., Ltd., Liverpool, as an acknowledgment of his success in window-dressing competition, in which he succeeded in taking first prize. Mr. Connolly served his apprenticeship with Mr. Leavy in Castleblayney.

Mr. C. McMullan, drug analyst, reported to the Newry Guardians that one sample of drug (tinct. cardamomi co.) was seemingly deficient in extract, but it appeared that glycerin was not used in its preparation. The Clerk said that owing to the war it was now almost impossible to get glycerin, and some substitute had to be used. It was agreed to take no action on the report.

Scottish News.

Chemists' Friendly Society.

The annual report and statement of accounts of the Chemists' Friendly Society has been issued for the period ending July 1, 1917. The report states that about 400 new members have been admitted during the year, and that at present about 1,100 members are serving with the Forces. The retiring directors, Messrs. T. Guthrie, G. S. Kitchin, J. Lennox, G. McKay, and R. McNinch, are eligible for re-election, as also are the retiring trustees and manager. The cash account shows that advances amounting to 2,827*l.* have been received from the National Insurance Commissioners; benefits granted amount to 482*l.*, investment to 2,044*l.*, and balance in hand to 59*l.* The following note is appended to the abstract of accounts:

> The reserve values applicable to all members over sixteen years of age at date of entry have still to be notified by the Government actuaries. The sum available for credit to investment account, so far as notified by the Commissioners, is 6,529*l.* 13*s.* 10*d.*, whereof 3,910*l.* 13*s.* 10*d.* has been invested in the 5 per Cent. War Loan in names of the Trustees of the Society, the balance being invested in the Insurance Commissioners' Investment Account,

Edinburgh.

Messrs. Davidson, Tollcross Corner, have opened a new shop in Leith Street.

New Year's Day will be a general holiday, and a number of pharmacies will take the half-holiday also the following day.

There is a lack of calendars this season, a decided change from the shoals which were wont to arrive in former years.

There is a persistent rumour that a large firm of chemists has lately purchased several pharmacies in different parts of the country, meanwhile leaving their quondam owners in charge.

The estimated annual cost of Edinburgh Town Council's venereal-disease scheme is 6,845*l.*, but towards this a grant is made from the Local Government Board at the rate of 75 per cent. of the approved expenditure.

As secretary of the Rotary Club Mr. Thomas Stephenson, Ph.C., welcomed the guests at the Christmas entertainment given to children at the Theatre Royal by the Rotary Club. Mr. Stephenson was dressed up as Father Christmas.

One of many creditable actions performed by the late William Inman, for long regarded as an interloping Gentile, was that of offering his employés a living wage. In those unhappy, far-off days many orthodox "Jews" entertained the notion that men were worth less than a pound a week if unqualified, and a shilling or two more if they possessed the Minor certificate.

Mr. A. Duncan, chemist and druggist, Easter Road, Leith, has been recently attracting attention by a window-display of home-made toys, all of which are of his own designing and workmanship. Cranes, lorries, windmills, engines and tenders—and a tank which surmounts obstacles in a businesslike fashion—make a telling and educative show. The toys have been built from odds and ends, things usually thrown away; such as vaseline and food tins, shaving-stick cases, bottle-tops, etc.

French News.

(From the "C. & D." Paris Correspondent.)

M. JEAN DANYSZ, of the Institut Pasteur, has been awarded 2,000fr. from the Bréant Prize Fund by the Academy of Sciences for his researches on arsenobenzones.

BUSINESS CHANGE.—M Louis Arrou has removed his offices to 107 Boulevard Soult, Paris (XIIe), and has taken his son M. André Arrou into partnership.

M. LEON GUIGNARD, Professor of Botany at the Paris School of Pharmacy, and formerly Director of the School, has been elected Vice-President of the Academy of Sciences.

M. LOUIS MARTIN, head of the Pasteur Hospital at Paris, and M. Albert Calmette, director of the Pasteur Institute at Lille, have been unanimously elected sub-directors of the Paris Pasteur Institute in place of MM. Metchnikoff and Chamberland, deceased.

STARCH IODIDE AS GERMICIDE.—Professor Laveran (the Nobel prizeman of 1907) read a paper before the Academy of Sciences on iodide of starch, which M. Lumière (the Lyons photographer and *savant*) proposes as an antiseptic. He claims that while it possesses all the virtues of tincture of iodine as a germicide, it lacks the irritating effects of free iodine.

NIGHT MEDICINES.—Medicines will henceforth be obtainable at night in Paris. Anyone in urgent need of drugs who cannot find a chemist can apply to the nearest police station, to which will be called one of the chemists on official night duty. This chemist will be entitled to a fee of 2fr. 30c. (nearly 2*s*.), which must be paid him on the spot, in addition to the price of the medicine.

THE RED RIBBON.—M. André Kling, who has just received the Legion of Honour for services rendered to the Army by chemical research, is head of the Municipal Laboratory of Paris, and has already received a gold medal and the War Cross. His rank in the Army is that of an artillery subaltern, and some of his experiments were effected under enemy fire in the front-line French trenches.

AMBRINE FOR BURNS.—The paper presented to the Academy of Medicine recently by Madame Bouet-Henry was interesting as the first communication read by a lady to this learned body. She revealed the secret of ambrine, which is largely used for burns—paraffin-wax to which melted guttapercha has been added. She mentioned that any fatty substance can be treated, more or less according to its exact nature, by guttapercha in the same manner.

FREE SUPPLIES.—The usual list of pharmacists who have received medals from the French Government for gratuitous supply of medicaments to the gendarmerie has appeared in the "Journal Officiel." Silver medals for twenty years' voluntary service have been accorded to M. Poncelet at Montgeron (just outside Paris), M. Simon at Bricuze, and M. Chevallier at Merlerault (Orne), M. Loubiou at Montauban (Tarn and Garonne), M. Cuignaber at Pauillac (Gironde), and M. Colin at Vézelise (Meurthe and Moselle). Six bronze medals were distributed for fifteen years' service, and four "official letters" of thanks for ten years' service.

STUPEFYING DRUGS.—The Prefect of Police of Paris has addressed a letter to the President of the Paris Pharmacists' Association regarding the recent law, popularly termed the "Stupefying Drugs Act." The decree of September 1916, he points out, requires doctors to observe certain rules in writing out prescriptions, and these rules, he believes, are not always followed. So he is drawing the doctors' attention to the fact. Pharmacists should be careful not to dispense prescriptions of a doubtful character, drawn up contrary to rule, or of which the repeat is unauthorised, otherwise their responsibility will be serious. He also reminds pharmacists that a quarterly list must be handed in to the police authorities giving the quantity of substances ordered during the preceding three months by doctors, midwives, and dentists for professional use. He observes that up to the present the number of these statements received has been exceedingly small.

EARLIER CLOSING.—One of the many effects of war is the general shortening of hours of business in Paris. Not only does the city go to bed much earlier, but the *semaine anglaise*, as our French friends call the Saturday half-holiday and "week-end" system, makes steady progress. Little business was ever done between noon and 2 P.M. in Paris, but before the war no retailer would have dared to close his door altogether at midday. But now noon closing extends even to pharmacists—the last class, as everyone knows, to profit by any movement for shorter hours. But, without pretending the movement is universal, I have lately seen pharmacies regularly closed at noon, with notices on the door announcing re-opening at 1.30 or after, and this alike in the hotel district round the Opéra and the Tuileries, in the busy commercial Boulevards de Strasbourg and Sebastopol, and in the residential parts of the city. At Versailles recently I saw a notice to the effect that "the pharmacies" (presumably all the pharmacies in the town) were closed from 12 to 1.30.

PROPRIETARY MEDICINES DISCUSSED.—The discussion on the question of the regulation of the sale of proprietary medicines was resumed at the meeting of the Academy of Medicine (*C. & D.*, September 15, p. 37). M. Léger (whose name will be familiar to British pharmacists as the 1911 Hanbury Medallist) spoke in defence of his report. There was, he did not deny, some tension existing between the manufacturers of proprietaries and the retail pharmacists. His endeavour, in drawing up the report, had been to diminish this difference of opinion by two proposals. On the one hand, he suggested that manufacturers should state on the label the principal active ingredients of the medicament; on the other, he proposed that the majority of proprietaries should only be supplied on production of a medical prescription, and this in the interest of the patients themselves. M. Hayem replied that the proprietary-medicine trade as at present carried on left, in his opinion, much to be desired. He particularly condemned the style of advertising often adopted in the daily papers for these remedies. The Academy, as protectress of the public health, could not permit the public to use remedies the composition of which was unknown. He saw no necessity for fresh legislation. He made exceptions in favour of a certain number of proprietaries, which he cited. These might be placed in a special class, and not considered "secret remedies." For the rest, he proposed the following resolution:

"The National Academy of Medicine, considering that the non-application of the Law of Germinal, and especially of Clauses 32 and 36, is a danger to public health, demands the rigorous application of this law, and also of the decrees (destined to complete the Act in question) of 3rd May, 1850 and 14th September, 1916."

MM. Galippe and Léger notifying their desire to speak on the subject of this resolution, the debate was adjourned. At the adjourned discussion a passage-at-arms took place between M. Galippe and the President regarding certain expressions employed by the latter at the last meeting. This over, M. Meillère insisted on the unsuitability of the present definition of a "secret remedy," as laid down by the decree of May 3, 1850. He proposed that the Academy should ask the authorities formally to adopt the definition that:

"Any simple or compound medicament of which the qualitative and quantitative composition is not known should be considered as a secret remedy."

Professor Bourquelot considered that, to protect the public, the best means would be to distinguish between the proprietary medicines holding an honourable reputation and the secret remedies of charlatans. This, he thought, could be effected by a firm application of the Law of Germinal. The only additional measure that seemed to him necessary was to specify that any medicament not bearing on its label its ingredients and their dose should be considered as a secret remedy. To this M. Meillère entirely agreed. M. Léger defended the conclusions laid down in his report. The drastic measures proposed by the preceding orators ran no real chance of being accepted by the powers that be. Matters could not be regulated from a purely medical point of view; the legislator had to look at questions from the standpoint of economics, manufacturing, commercial, and even budgetary interests. To exalt the publication of really active medicaments forming the principle of the remedy, leaving the manufacturer free to choose and specialise his excipients and his methods of preparation, was a conciliatory, and, therefore, a practical suggestion. The debate was once more adjourned.—The debate, writes our correspondent, has aroused much interest in the trade. The proprietors of well-known specialities point out that their goods are nearly certain to be imitated, and that their only protection against successful imitation is the secrecy of their formulæ. It is also held that the fact that patent medicines are taxed proves that they are tolerated by the law, as taxes cannot be decreed on what has no legal existence. The exportation of French proprietary medicines would also suffer were any Draconian legislation introduced. The annual figure for these exports is stated by the "Temps" as about 3,000,000*l*. sterling.

RINGWORM is cured by the simple process of dabbing the affected parts every twenty minutes during the daytime with an aqueous solution (1 in 500) of bacterol. The treatment is continued for four weeks, the application being made less frequently—*e.g.*, every two hours—if irritation results.—*Dr. Robert Howie in the "British Medical Journal."*

South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

THE HALF-YEARLY examination for the chemist and druggist diploma, conducted by the Colonial Pharmacy Board, was held at the Board's offices, 71 Parliament Street, Cape Town, on November 7 and 8. Five candidates presented themselves. Two failed to satisfy the examiners, and the following were successful: D. W. Sutcliffe, F. B. Wasserfall, and W. B. Marriott. The examiners were D. A. H. Petersen, Messrs. J. Parry, W. Mager, G. Darroll, A. H. Mathew, and G. Cleghorn.

CHEMIST'S APPRENTICE FINED.—At the First Criminal Court, Cape Town, on October 23, Mr. Abraham Hoffman, apprentice to Harries, Ltd., Varney's Corner, Green Point, was fined 10*l.* for dispensing a prescription containing nux vomica. Police evidence was given to the effect that there was no qualified person on the premises while the prescription was being dispensed. Mr. J. H. Harries, managing director of Harries, Ltd., stated that there had been a shortage of qualified chemists for some time.

CLOSING-HOURS APPEAL.—Judgment has been given in the Cape Division of the Supreme Court in the case in which Mr. James Moore, chemist, appealed against a decision of the Magistrate's Court, Cape Town, convicting him of contravening a closing order by the sale of a bottle of cough-mixture at 9.25 P.M. on July 21. The conviction is confirmed, the Court holding that the Legislature has limited the sale of medicines after closing-hours to cases of sickness or other emergency, and that in this case the sale did not fall within the exemption.

VISIT OF AUSTRALIAN PHARMACISTS. — The Maritzburg Chemists' Association gave a dinner at the Imperial Hotel, Maritzburg, on October 9, to a party of twelve Australian pharmacists visiting Natal on their way to a sphere of war. Between the dinner and a subsequent smoking-concert a speech of welcome was made by Mr. Marshall, President of the Association. Staff-Sergeant P. R. Bayley, in the course of his reply, mentioned that fifty pharmacists had volunteered for an Australian detachment, and complained of the scanty recognition of the services of pharmacy accorded by the Imperial Government. He was of opinion that a lesson might be learned from the French Army, where chemists received due recognition, and could rise to any rank.

O.F.S. Pharmaceutical Society.

A MEETING of the O.F.S. Pharmaceutical Society was held at Messrs. Petersen's office, Bloemfontein, on November 13. There were present Mr. W. F. Prophet (President), Messrs. Francis Carter, Reid, Taylor, Greenwood (Hon. Secretary), and others. The President and members present extended a hearty welcome to Mr. J. Austin Thomas, who had come to reside permanently at Bloemfontein. The minutes of the previous meeting were read and adopted. The letter received from the Cape Pharmaceutical Society relative to the title "chemist and druggist" was further discussed, and it was agreed that Mr. Carter should interview the local members of the Legislative Assembly to get them to use their influence to see that the title "chemists and druggists" be embodied in the new Medical and Pharmacy Bill which is to be read for the second time at the next assembling of Union Parliament at Cape Town. It was also unanimously agreed that each and every member of the Society should do all in his power in the same direction. A letter received from the Cape Pharmaceutical Society was read, asking if the O.F.S. Society was in favour of one Secretary being appointed for both the Medical Board and the Pharmacy Board as at present suggested, or if they were in favour of a separate Secretary being appointed for each Board. It was decided to write and say that the Society was in favour of a separate Secretary being appointed. The Hon. Secretary was instructed to write a letter of condolence to Mr. McJanet, one of whose sons had been recently killed in the war. Mr. Carter withdrew for the present the notice of motion standing in his name—viz., "That the Society obtain counsel's opinion as to the legality of the sale by others than chemists and druggists of preparations solely prepared for use as medicines." The following were elected as members of the Society: Mr. W. McRobb, Theunissen O.F.S.; Mr. Godfrey Todd, Kroonstad; and J. Austin Thomas, Bloemfontein.

THE DANGER OF USING a camphorated mineral oil for subcutaneous injection in place of a solution of camphor in olive oil is emphasised by the "Lancet" (I., 1917, p. 936).

Colonial and Foreign News.

BASLE UNIVERSITY has installed a new pharmaceutical laboratory.

DR. H. LÖRNIG has been appointed ordinary professor of pharmacy at Basle University.

GERMAN PROPERTY SEIZED.—The Milan depôt of the German firm E. Merck has been sequestrated.

PROFESSOR DR. A. TSCHIRCH, Berne, has been offered the post of professor of pharmacognosy at the Vienna University.

RESTRICTED CIRCULATION.—Neither the "Apotheker-Zeitung" nor Merck's "Jahresberichte" is allowed to be sent into Holland from Germany.

SOAP AND SODA IN SWEDEN.—Washing-soap costs 10kr. per kilo. and toilet-soap 15kr. per kilo. Caustic soda costs 3.50kr. per kilo., against 17 öre in normal times.

PHARMACIST REFUGEES.—Most of the pharmacists from the invaded area of Italy, to the number of over a hundred, have found occupation in various towns further South.

PHARMACIES RATIONED.—The larger towns of Italy have taken in hand the task of mapping out zones so that the number of pharmacies may be proportionate to the population.

MEDICAL SUPPLIES IN SWEDEN.—Castor oil, olive oil, soft soap, and Marsala wine are only to be sold by chemists on production of a prescription by doctors or veterinary surgeons, who are warned to be very careful in giving such prescriptions.

RENOVATED DRESSINGS.—The Austrian Home Department has issued a circular prescribing a method of making used surgical dressings serve again. The liquid ordered for disinfecting them is a 3-per-cent. solution of soda, to which 2-3 per cent. of crude carbolic acid is added.

FINE REFUNDED.—A Milan pharmacist has had a fine remitted that was imposed, two months previously, for not having a Sunday-closing notice stamped. The ground on which the decision was reversed was that the notice in question was of public rather than of private importance.

TOBACCO "STRETCHING."—Permission has recently been granted by the Austrian Finance Ministry, after pressure from the tobacco-industry, for the "stretching" of pipe-tobacco with beech-leaves, which are available in Austria in large quantities. It is stated that they are steeped in tobacco-juice before blending.

BOOK STATISTICS.—According to an estimate in a Dutch periodical, the libraries of Holland possess in all about 3,000 recently published works dealing with chemical subjects; of these approximately 61 per cent. are in German, 13 per cent. in French, 12 per cent. in English, and 11 per cent. in Dutch.

ITALIAN PHARMACISTS' POLICY.—A leader among the pharmacists of Italy has issued an appeal for a programme that will commend itself to all rather than to an inner circle of the favoured, and urges free general discussion before decisions are taken. It would appear that the conditions of Italian pharmaceutical politics are not unlike those nearer home.

GERMAN ALCOHOL.—The Imperial Spirit Office has consented to the contract price of 114m. per hl. for spirit made from potatoes, fodder-beets, or sugar-beets in the agricultural distilleries, as from November 1, 1917. The difference between 98m. and 114m. for the spirit made between September 16 and October 31 will be adjusted at the end of the business year.

TAXATION EXEMPTIONS IN ITALY.—The following classes of goods are, among others, exempt from the new taxes: Patent starchy or malt foods; preparations of beef, chicken, rice, and tapioca; simple oils labelled accordingly; chemicals and galenicals sold under their own names—*e.g.*, quinine and opodeldoc; mineral waters; insecticides; serums and vaccines; medicated wines.

SCIENTIFIC RESEARCH IN BRAZIL.—Scientific activities in Brazil, according to a public message by the President of San Paulo, comprise bacteriological, serotherapic, vaccinogenic, and Pasteur institutes, and a laboratory of chemical and bromatological analysis. The last-named is to fix a milk standard and to inaugurate a campaign against food- and drug-adulteration.

JAVA QUININE.—According to the "Indische Mercuur," the Bandoeng Quinine-factory intend to increase their output of quinine to 2,000 kilos. (2 tons) daily, and machinery for the extension of the plant, which has already arrived, is expected to be in operation at the end of 1917. After the publication of the last annual report, the shares of the company advanced from 525fl. to 650fl.

Births.

GOSNELL.—At 28 Elm Park Gardens, Chelsea, London, S.W., on December 18, the wife of Captain Ralph Gosnell, H.A.C., of a son. Captain Gosnell is a director of John Gosnell & Co., Ltd., and is on active service in France.

LEVIS.—At The Pharmacy, The Square, Bantry, co. Cork, the wife of R. E. Levis, Ph.C., of a son.

WHYTE.—At "Ardbana," Adelaide Park, Malone Road, Belfast, on December 16, the wife of J. M. Whyte (Ni-Verre Chemical Co.), of a son.

Marriages.

FOSTER—TEAGUE.—At St. John's Church, Ryde, on December 19, by the Rev. C. L. Blake, M.A., Lieutenant Robert George Foster, Winnipeg Rifles, second son of Mr. Henry S. Foster, chemist and druggist, East Dulwich, London, S.E., to Bertha Dorothy Teague.

HONNEYMAN—ALLEN.—At St. Andrew's Church, Streatham, London, S.W. 16, on December 21, William Honneyman, B.Sc., F.I.C., Ph.C., Corporal Royal Engineers, to Marion Inez Allen.

Deaths.

INMAN.—At 11 Newbattle Terrace, Edinburgh, on December 20, Mr. William Inman, aged fifty-nine. Bailie Inman, who was born in Yorkshire, opened the first Edinburgh branch of his drug-stores in 1885. He entered the Edinburgh Town Council in 1908, and was appointed a magistrate in 1915. He is survived by a widow, a son (Lieutenant Inman), and a daughter.

ROSE.—On December 9, Mr. George Ernest Rose, chemist and druggist, 187 High Street, Borough, London, S.E., aged fifty-five.

SPEARING.—At Mynd House Pharmacy, Gloucester, on December 22, Mr. Arthur John Spearing, chemist and druggist, aged forty-six.

Died on Service.

ANNISS.—Private William Anniss, Durham Light Infantry, has been killed in action. Prior to enlistment he was assistant with Mr. George S. Gibson, chemist and druggist, Upper Church Street, West Hartlepool.

BRUCE.—Private Thomas Bruce, Manchester Regiment, has been killed in action. Prior to enlistment he was with W. S. Rothband & Co., indiarubber manufacturers, Bent Street, Manchester.

CRANG.—Mr. W. Crang, youngest son of Mr. Walter Crang, chemist and druggist, Broad Street, Ilfracombe, has been killed at sea, aged thirty. Mr. Crang enlisted as a naval volunteer, having come home from Brazil for that purpose, and lost his life in the sinking of his ship by an enemy submarine.

Personalities.

MR. G. CLARIDGE DRUCE, M.A., Ph.C., has been elected a member of the Oxford City Education Committee.

MR. NEWTON CLARKSON, chemist, Richmond, Yorkshire, has been appointed a magistrate of the borough of Richmond.

THE CHRISTMAS SCHOLARSHIP at the Chester Modern College (Mr. K. S. Dickinson, Ph.C., principal) has been awarded to Miss F. G. Davies, Mold, Flintshire.

MASTER JOHN LEECH, aged nine, son of Mr. J. H. Leech, Ph.C., Glisson Road, Cambridge, has been elected a choral scholar of St. Paul's Cathedral, being one of three selected out of thirty candidates.

THE REFERENCE TO JOHN NEVETT EVANS which occurred in the will of Sir Edward Evans (*C. & D.*, December 22, p. 39) should have been to Edward Nevett Evans. We much regret that the error occurred in our report.

AN excellent account of the life and work of the late Dr. Elizabeth Garrett Anderson is given in the "British Medical Journal," December 22. Several additional particulars are given of Mrs. Garrett Anderson's struggles in the early days to obtain recognition for women in medicine.

THE PORTRAITS OF THE LATE PROFESSOR R. MELDOLA which have been painted by Mr. S. J. Solomon, R.A., and presented by the subscribers to the Royal Society and the Institute of Chemistry, was unveiled on December 18 at Burlington House and Russell Square respectively.

MR. RONALD LAMBERT PARRY, Rossall School, elder son of Mr. Ernest J. Parry, B.Sc., F.I.C., has been awarded an open exhibition at Corpus Christi College, Cambridge. Mr. Parry is receiving a commission in the Royal Field Artillery, and the scholarship will in consequence be held in suspension.

AFTER HAVING BEEN IN ABEYANCE for nearly half a century, a meeting of the Court Leet of the Manor of Henley-in-Arden, Warwickshire, was held this month, with all the old-world ceremonial; and on Sunday afternoon (December 2) the High Bailiff, accompanied by the newly elected officers of the Court, attended a special service at the Parish Church. For the first time in the history of the town an invitation was extended to the congregations of the other churches to co-operate in the service, the First Lesson being read by the Baptist minister and the Second by Mr. T. R. Perkins, pharmacist (Wesleyan Methodist).

AMONG THOSE PRESENT at the wedding of Mr. W. P. Evans at the Chapel Royal, Savoy, London, on December 18 (*C. & D.*, December 22, p. 38) were Mr. Ernest S. Evans, Cheshire Regiment (his son, who acted as best man), Mrs. Shephard (daughter-in-law), Mrs. Sandford Evans, Miss Ledgard (niece), Miss Evans (sister), Lady Worthington Evans, Captain E. C. Evans, Mr. and Mrs. Herbert Evans, Miss Evans, Sir Aston and Lady Webb, Mr. Harwood Lescher, and Mr. T. Edward Lescher. Mr. Gershom Stewart, M.P. for Wirral, was also present. The bride has been doing war work at the Waterloo Station Free Buffet for some eighteen months, and the superintendent and several of the other workers of the Buffet were present by special invitation. The bride, who wore the badge of the Waterloo Free Buffet workers in addition to her diamond pendant, was given away by her father, Mr. Arthur Rhodes, Weybridge.

Legal Reports.

Prize Court Cases.—At the Prize Court, London, on December 17, Sir Samuel Evans condemned a cargo of chemicals seized at London Docks *ex* s.s. *Corncrake*. The cargo included 101 casks of sodium hyposulphite, 56 lb. magnesia, and two cases of paraffin-wax. The goods reached London from Hamburg in August 1914. On December 18 condemnation was claimed of a cargo consisting of, among other goods, 71 bags of carnauba wax and 200 cases of honey consigned to Sweden on s.s. *Carolina*. Judgment was reserved. A cargo of 629 sacks of resin on the Greek schooner *Amphitrite* was condemned and ordered to be sold.

Chemist's Account.—In the City of London Court on December 18, before Judge Rentoul, K.C., Mr. Richard Thomas, Ph.C., 13 Upper Baker Street, applied to enforce payment of 32*l.* due for medicines and drugs supplied to the defendant, Mr. Wm. Abbott, accountant, 80A Coleman Street, E.C. Defendant said he could not pay the debt as he had so much trouble in getting in various moneys due to him. His wife was an invalid, and that was why he had the medicines. He earned about 200*l.* a year, and his rent was 60*l.* a year. Plaintiff's solicitor said that the defendant had offered to pay 30*s.* a month, and had paid nothing on that offer. The Judge said he could make no order.

Pharmacy Act Cases.—At Whitechapel County Court, London, E., on December 13, Mr. Aisikoff de Costa, 430 Mile End Road, E., was fined 5*l.*, and costs, for using the title, "Chemist," he being an unregistered person. The labels he used at the shop bore the name, "C. H. Eldon & Co., chemists and druggists," and on the outside of the premises was the wording, "C. H. Eldon & Co., late F. White, Ltd., dispensing chemists."—At Bloomsbury County Court, London, on December 17, St. Quinton's Drug Stores, Ltd., 10A North Pole Road, W., was ordered to pay 10*l.* for selling poison and using the title "Chemists." Payment is to be in monthly instalments of 2*l.*—At the same Court, C. W. Houseman, 21 Pitfield Street, Hoxton, N., was sued for the recovery of the balance of a penalty of 5*l.*, incurred by him in selling opium. Payment is to be made by monthly instalments of 1*l.*

WEST INDIAN LIME-JUICE.—The exports from Grenada in 1916 were 150,525 gals. of raw juice and 7,500 of concentrated juice, of a total value of 14,486*l.*

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

(From "The Trade-marks Journal," November 21, 1917.)

Device of sun and banner, with word "MOR" over picture of tun; for dyes (1). By Morton Sundour Fabrics, Ltd., Dentol Hill, Carlisle. 379,372.

"TOGA," for chemicals (1); "SUPPELIN," for chemicals (1), and for waterproofing compounds (50). By Pinchin, Johnson & Co., Ltd., 26 and 27 Bevis Marks, E.C. 3. 380,056/115/116.

Picture of three pigs with lettering on backs "W.L.," "E.L.," "M.L.," to represent the "WEM 3ELL BRAND" (letterpress disclaimed); for pig-powders (2). By J. Dobbie, 24 Elbe Street, Leith. 379,347.

"WY-DE-MER BRAND COUGH LINCTUS"; for internal medicines (3). By R. D. Allen, 44 King Street, Huddersfield. 379,443.

Circle enclosing device formed of letter "S" and arrow ("S" disclaimed); for food-substances (42). By Swift & Co., Union Stock Yards, Chicago. 377,825.

"SANISOP"; for all goods (47). By Peek Bros. & Winch, Ltd., 20 Eastcheap, E.C. 3. 380,087.

"GOLD DISH" under picture of same; for goods (47), and for perfumery, etc. (48). By F. S. Cleaver & Sons, Ltd., Gould Road, Twickenham. 379,044/45. (Associated.)

"LADDER" under picture of same; for goods (47), and for perfumery, etc. (48). By Lever Brothers, Ltd., Port Sunlight. 379,378/79. (Associated.)

"NAPHTHOLITE" under device of five playing-cards; for goods (47). By C. Thomas & Bros., Ltd., Bristol. 379,719. (Associated.)

"ST. PAUL'S BRAND" under picture of St. Paul's Cathedral; for Eau de Cologne. By Lorimer-Marshall, Ltd., 12 Tower Hill, E.C. 3. 379,028.

"CALOGEN" and "CALORITE"; for artificial fuel (50). By The Standard Tablet Co., Ltd., Hove. 380,216/217.

(From "The Trade-marks Journal," November 28, 1917.)

"MYSTO"; for photographic chemicals (1). By B. C. Clément, 19 Sicilian Avenue, W.C. 1. 379,755.

"WEATHER PROOF BRAND," and portrait of applicant in sou'-wester ("Weather Proof Brand" disclaimed); for chemicals (1). By J. Ayre, 183 Whitchurch Road, Cardiff. 379,898.

"ASEPSO BRAND" DISINFECTANT SOAP, "ASEPSO BRAND" MEDICATED SOAP, "ASEPSO BRAND" COMMON SOAP; for soaps (2, 3, and 47). By E. Cook & Co., Ltd., Bow, E. 3. 379,982/3/4. (Associated.)

Device formed of letters "P P Co"; for medicinal chemicals (3), and for all goods (48). By The Pharmaceutical Products Co., Craigleith Road, Edinburgh. 379,380/1.

"SANATONE BRAND TONIC"; for liquid medicinal chemicals (3). By J. Macphail, 81 Canning Street, Bridgeton Cross, Glasgow. 379,736.

"VORDOL" BRAND EYE TABLETS; for medicinal chemicals (3). By G. E. Dunn, Market Place, Highworth, Wiltshire. 379,812.

"CYPHOIDS BRAND MENTHOL & EXTRACT OF LICORICE GLOBULES": for menthol and extract of licorice globules (3). By Smith & Co., 132 Borough, S.E. 1. 379,854.

"GENASPRIN"; for medicinal chemicals (3). By W. G. Asquith, 12 Chenies Street, W. 1. 380,162. (Associated.)

"WIMMIE"; for head-ache powders, fruit-salts, and corn-plasters (3). By J. W. Freeman, 12A Park Row, Eagley Bank, Bolton. 380,164.

"SILLITE"; for foot arch-supports (11). By P. G. H. Hinder, 394 Oxford Street, W. 1. 380,223.

"SULA," with quill threaded through letters; for goods (42). By Linton, Hubbard & Andrew, 72-75 Fenchurch Street, E.C. 3. 378,926.

"DOUCENE"; for sugar-substitutes (42). By J. Irwin, Sons & Co., Ltd., Orwell Road, Kirkdale, Lancs. 379,747.

"KAWLIT"; for stain-removers, etc. (47). By Capsol Dye Co., 3 Upper Talbot Street, Blackpool. 379,908.

"MARZENA" POMADE; for toilet pomade (48). By Gertrude A. Marsden, 29 Stoneham Road, Hove. 379,708.

"ZOBISKA"; for perfumery, etc. (48). By The Critic Co., Canal Street, Rochdale. 379,766.

"JOUR DE GLOIRE"; for perfumery, etc. (48). By The Standard Tablet Co., Ltd., Hove. 380,301.

(From "The Trade-marks Journal," December 5, 1917.)

"SALOX"; for luminous paint-powder (1). By S. S. Speyer & Co., 18 Hatton Garden, E.C. 1. 378,206.

"ARCHBISHOP"; for chemicals (2 and 3), goods (47), and for perfumery, etc. (48). By The Hull Oil Manufacturing Co., Ltd., West Carr Lane, Stoneferry, Hull. 379,934/5/6/7. (Associated.)

"BOTICIDE"; for chemicals (2). By Osmond & Son, Ltd., Doughty Road, Grimsby. 380,163.

"CELESTUS"; for all goods (3). By The Muller Laboratories, Ltd., 144 Albany Street, London, N.W. 375,380.

"HOLMIER"; for medicinal chemicals (3). By W. H. Meyer, 3 Gravelly Hill, Birmingham. 379,728.

"CARNOPLASM BRAND MALNUTRITION REMEDY," "DIARRAX BRAND BOWEL REMEDY," "OPTALMAX BRAND EYE REMEDY," "PUSCULIN BRAND BLOOD REMEDY"; for medicinal chemicals (3). By S. F. Body, 167 High Street, Southend-on-Sea. 380,134/5/6/8.

"LYMYL"; for food-substances (42). By W. H. Chaplin & Co., Ltd., 48 Mark Lane, E.C. 3. 379,460.

"HIVONA"; for all goods (42). By Mapleton's Nut Food Co., Ltd., Moss Street, Garston, Liverpool. 379,889.

"METRACT" on shield device; for meat-extract (42). By The Bristol and Dominions Producers' Association, Ltd., 4 St. Stephen's Avenue, Bristol. 379,954.

Trade Notes.

THE P.A.T.A. PROTECTED LIST was extended during December by the addition of Allen & Hanburys' olive oil; Bishop's preparations (additional); Hendrie's Scent Drops; Ingram's "Eclipse" Whirling Spray syringe; Lombio preparations.

ALPINE SNOW.—Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, London, E.C., has produced a very pleasant toilet preparation called "Alpine Snow." It is free of glycerin; is in the form of a white cream, and is packed in collapsible tubes or opal jars. The Alpine Snow retails at 10*d.* and 1*s.* 2*d.*, these being the P.A.T.A. protected prices.

THE "DELECTA MAGAZINE."—The Watford Manufacturing Co., Ltd., has produced an attractive Christmas Number of the "Delecta Magazine." We notice an announcement that a Works Council has been elected solely from the members of the staff to discuss questions of hours, rates of pay, conditions of work, etc., and when deemed advisable to make recommendations to the management.

DIARY ERRATA.—The entry of the name of H. Mayer, Senior, Ltd., in the Buyers' Guide, under Vanillin, is incorrect; it should have been placed under Vanilla-beans, in which article the company are suppliers to the wholesale and export trade.—The entries, Roberts' Catarrh Cure and Roberts' Cough Syrup, should have been attributed to Roberts' Croupline Depôt instead of Roberts' Patent Filling Machine Co., which is a separate concern.

SWEETABS.—Mr. J. E. Garratt, 96 Southwark Street, London, S.E. 1, makes a special discount offer on purchases of Sweetabs, particulars of which are given in an advertisement in this issue. Mr. Garratt explains that when he introduced this line the popularity was so instantaneous that he was sold out in a short time. He has now a good stock in hand. His special offer is made with a view of lessening the amount of bookkeeping and to get the Sweetabs before the public in the most direct manner.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

219/54. "Venenosum."
218/7. "Hamamelol."
218/26. "Dol-so-do" toilet-water.

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. 4:

"Amami" shampoo-powders, 206/5
"Antexema," 203/67
"Antikamnia" tablets, 207/9
"Antiphlogistine," 180/45
"Antipon," 200/2
Anti-vermin body-belts, 152/59
Aristochin, 186/37
Arsenic, 189/53
"Astratic" solution, 175/3
Baines Dielectric Oil, 216/9
Benoit Frères Poudre de Muguet, 207/10
Birley's phosphorous preparations, 207/11
"Bitro-phosphate," 213/58
"Euo" mouth-wash, 188/65
Gallic acid, 186/37
Gelatine, 208/2
Gillard's distemper cure, 196/73
Glucose chips, 172/6
Glutiodin tablets, 194/24
"Grasshopper" ointment, 213/58
"Mascon" health sprayer, 153/61
"Massecorride" cream, 202/64
Medicine chests (japanned), 176/34
"Melanyl" marking-ink, 138/3
"Melargen," 141/61
Mixing and sifting machines, 185/52
Nelson's "Toe-Ease," 216/52
"Neuvita" indiarubber straps, 150/18
Nicholl's "Ozerine," 139/5
"Optocine," 166/7
"Othniel" brand perles, 213/32
Pape's diapepsin, 188/67
"Polyformiate," 218/25
Pomade Max, 161/34
Poor Man's Friend, 200/2
Powell's balsam, 187/22
"Pynka" polishing-tablets, 206/19
Quinine, 164/6
Renne's magic oil, 194/28
"Resperine" asthma-powder, 200/13
"Richmond" body-belt, 160/23
Robin's Glycerophosphates, 217/32
"Russian Tar" soap, 164/12
"S. & H." corn-files, 179/23
St. Jacob's oil, 172/14 and 151/36
Saunders' "Bloom of Roses," 215/43
"Seedolin" wheat-dressing, 159/36 and 184/46
"Sempules," 161/31
Silverlock's prescription-books, 140/16
Tucker's asthma cure, 145/46
"Typhoo Tips" Tea, 159/21
Ung. pini sedativ., 186/40
"Urease" tablets (Dunning), 204/7
Van Abbott's gluten bread, 147/46
"Vaporole," 207/71
"Vasogen," 182/48
Veterinary outfits, 155/9
"Vinofosfa," 139/6
"Vitalia," 180/9
"Vulcus," 181/38
Wrapping machinery, 176/14 and 181/58

Observations and Reflections.

By Xrayser II.

Your "Diary" for 1918

seems at first sight sadly shrunken from what we are accustomed to, but proves on examination even richer than usual in literary matter of direct importance to business. In this respect it is a good deal larger in bulk than last year's *Diary* and several of its new features mark an advance in usefulness on anything in any of its precursors. The Buyers' Guide goes far to compensate for the unavoidable loss of the advertisements that used to swell the *Diary* to such a Gargantuan size, and though this loss will be deplored, the pharmacist in a hurry will find in these pages a sufficient and most convenient guide to the supply of his wants. I have not counted all the items, but if the pages I selected at random are fairly representative of the rest, between six and seven thousands of articles and classes of goods are indexed, with references to the firms from which they can be obtained.

The Chemists' Calendar

is another most useful feature of the *Diary*, and it was a happy thought of yours to take this hint from the botanical calendars in the old herbals. But here my ghostly enemy the critical spirit betrays me into a stricture or two. You seem to regard December as "the most intense of the winter months." I venture to say that January surpasses it in winterliness, as regards both cold and snow. It is true that in the middle of December the observed average temperature is about one degree Fahr. lower than the average for the whole of January, but in the latter month the low temperature is more continuous and prolonged. January, too, is distinctively the snow-month. All the weather-lore I know on the subject confirms me here, and the more so because it refers to a somewhat later January than ours. In spite of our popular idea of "an old-fashioned Christmas," that season itself is more often than not a comparatively mild one, and has apparently always been so. The cold strengthens as the day lengthens (as indeed you remind us). Other new features of the *Diary* that will be of great use are the lists of drug-prices during the war and of prohibited exports and imports. As a whole it sustains in a notable fashion the reputation of the *C. & D.* as a practical guide for business men engaged in pharmacy, whether wholesale or retail.

Elizabeth Garrett Anderson, M.D.,

whose death was reported last week, began her medical studies in the School of Pharmacy, in which she had Michael Carteighe for a fellow student. She was, I believe, the first lady student of which the school can boast; certainly she was the one who has won most fame, and her career may well encourage those who have followed her in the school. It was the fact that only as sellers of drugs did the Apothecaries' Society see their way to her admission to their examination that determined her choice of our school as one of those in which she could obtain the knowledge necessary for qualification.

Mr. Hines's Address on Reconstruction

can perhaps hardly be criticised fairly from such reports, necessarily much condensed, as I have seen; indeed, the reports are in effect contradictory in several particulars. But his subsequently expressed desire to see the Local Associations Executive and the Society (I suppose he meant the Council) filling respectively the place of our House of Commons and House of Lords may be dismissed without hesitation as neither feasible nor desirable. Even if he was thinking of a reformed House of Lords and an Executive that did not consist in large measure of members of that House, it is difficult to see how the "free hand in commercial affairs" which he rightly demands for the Local Associations could be secured under a revising Chamber with at least a suspensive veto. Reading this idea of his into his speech, I am afraid that since he entered the Council Mr. Hines has unconsciously begun to "hedge" a little.

Agricultural Chemistry

is hardly in the direct line of pharmacy, but there are few country pharmacists who would not find some knowledge of its principles an advantage, and anybody who has a garden of his own may make it a source not only of new interest but of actual profit by trying on a smaller scale such experiments as are described with much wealth of detail in "The Book of the Rothamsted Experiments," of which an enlarged and revised edition has just been published. I must confess to knowing this book, as yet, by report only, but its matter and such extracts as I have seen from it are clear proof that it is full of interest for its own sake, and a practical guide of very great value. Nobly endowed, and partly supported by a large Government grant, the Rothamsted station has unique advantages for experiments in scientific farming; and the account here given of its work and some of the results obtained should be studied by all who are in a position, either directly or by influencing others, to do anything towards making the knowledge thus gained universally effective in agriculture. Perhaps the most amazing result obtained at Rothamsted is the continuous production of satisfactory crops of wheat on the same plot for over seventy years. The yield in the later of these years is said to have been equal to the average obtained in the United States.

Another Section of the Oxford Dictionary

follows quickly upon the last, but it belongs to an earlier volume, which had to be left incomplete on account of the extraordinary difficulty of its vocabulary. Most of the words in this section (*Stillation—Stratum*) are of native English origin, many of them with an extensive history and a multitude of senses. *Stock* is one of the most interesting of these, and to trace its sense development is almost a task for a lifetime. The original meaning is a tree-trunk deprived of its branches, and it is not certain how such different senses as, for instance, a fund of capital, the animals on a farm, or the aggregate of a tradesman's goods were acquired. Probably these things were regarded as the trunk or stem from which the gains are an outgrowth. The botanical term *stipe* (properly *stipes*) is supposed to have given us, by a somewhat similar transfer of meaning, the verb to *stipulate*, the root being in each case *stip-*, to be firm. Such old forms as *stillation*, *stilled*, *stiller*, survived along with the newer *distillation*, etc., until a comparatively recent period—indeed, a quotation is given for *stiller* under date 1902. A stillatory was originally a still, later a distillery. *Still-room* is yet in use for a pantry. *Stimulant*, as a medical term, dates from 1728 only; its current use to signify an alcoholic beverage from 1865. *Stinks*, as a school-name for chemistry, and later for natural science generally, first appears in 1869. *Stinkweed* is a name given in America to *Datura Stramonium*. *Stitch* meant primarily a thrust or stab; hence a sharp, sudden pain; and *stitchwort* is the name of a plant given as a remedy for this. *Stomach* is from the Greek, and meant originally the throat; compare *stoma*, a mouth, as used in botany. *Stone* gives us many plant-names, as *stonebreak* (saxifrage), stone-parsley, stonecrop, stone pine (the last so called, it is supposed, on account of its hard seeds). *Storax* used sometimes to be shortened to *stor*. *Store*, a shop, comes from America, where originally it was used only of a large emporium of a great variety of goods; it dates from 1740 in this sense, and came to England about 1850 as a name for a co-operative store. It is an aphetic form of *astore*, from Old French *estor*, Anglo-Latin *instaurum*. Etymologically *stramonium* is one of the most interesting words of pharmaceutical importance in the section. Fuchs (1542) writes it *stramonia*, and says it is Italian, but it is believed to come ultimately from the Tartar *turman* through the Russian *durman*.

IT is impossible to study the history of civilisation without recognising that scientific research and invention, with their innumerable and incalculable actions and reactions, constitute the soul of industrial progress.—*Mr. A. A. Campbell Swinton, F.R.S.*

Peroxide of Hydrogen
(H_2O_2)
KINGZETT'S PRESERVED QUALITY.
INVALUABLE
1. As a wash for wounds, ulcers and sores.
2. For use in midwifery cases.
3. As a gargle in cases of sore throats.
4. As a mouth-wash.
5. For application in cases of bites from venomous insects.
6. For removing fruit stains from linen.
7. As an air purifier (by spray), &c.

SOLD IN 10 VOLUMES STRENGTH, AND PUT UP IN
16-oz. bottles, retailing at 1/6 each.
8 " " 1/- "
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Also in Bulk.
Trade Prices and Leaflet on application.
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CHEMICALS.
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Sole Proprietors of "Pylitna Powders," the internal specific for Hæmorrhoids.
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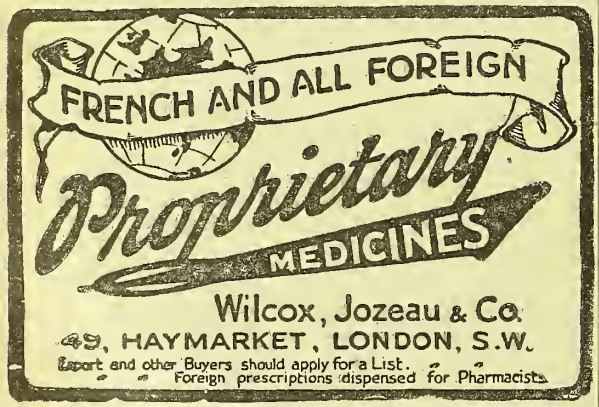


PHARMACEUTICAL FORMULAS. (9th Ed.) 10/-, by Post 10/6
ART OF DISPENSING. (9th Ed.) 596 pages. 6/-, by Post 6/5
CHEMISTS' DICTIONARY OF SYNONYMS. 2/6, by Post 2/9.

THE CHEMIST AND DRUGGIST, 42 CANNON ST., E.C. 4.
Index Folio 1102

Sugar is not required—if
Fletchers' Concentrated Liquors
are used in place of the corresponding Syrups.
FLETCHER, FLETCHER & Co., Ltd., HOLLOWAY, LONDON, N.

Editorial Articles.

The Supply of Raw Materials.

> Undoubtedly there is in many respects, as we all know, a world shortage of raw materials. It is caused by the war, and is being increased by the war. The longer the war lasts, the greater will be the shortage of raw materials. Is it to be said, if it so happens that the great mass of raw materials are under the control or supplied by the territory of ourselves and our Allies, that after the war we are to go short of those raw materials in order to supply Germany? Of course it is not, and if it were suggested, it never would be carried out. This country would have a right to impeach any Ministry which allowed this country to be in want of essential raw materials because they were being sent to those who had been our enemies in this war. There is nothing vindictive about that. It is a statement of economic fact which it is right to present to the world and to press upon their attention.—*Lord Robert Cecil in the House of Commons, December 20.*

THE question of the supply of raw materials required by British industries after the war is one of paramount importance, and we are glad to know that it is receiving the close attention of the British Government in conjunction with our Allies. Dr. Addison, the Minister of Reconstruction, recently appointed a Committee to consider and report upon questions connected with the supplies of raw materials, and we publish in this issue the Report of the Chemical Trades Committee which makes suggestions as to the procedure which should be adopted for dealing with the position of the chemical trades after the war. It is to be hoped that these various Committees will arrive at a definite policy and propound an effective scheme to secure and safeguard our supplies of raw materials in the future. It need hardly be said that it is absolutely necessary that we must be prepared to counter the sustained efforts on the part of Germany to re-enter the world's markets under the old conditions. Undoubtedly these efforts are being made on a gigantic scale, especially in neutral countries, and with all the skill and method possible. There is plenty of evidence to show that German firms and agents, either secretly or openly, have for months past been laying the foundations for a commercial campaign of an unscrupulous character against the Allies, and their own newspapers admit it. This menace has to be fearlessly met, and we are glad to know that steps have already been taken to meet it by making it impossible for Germany to purchase supplies of raw materials, so far as the British Empire is concerned, on the old terms. The world is short of all kinds of raw materials, so that a system of rationing is likely to take effect after the war, and endeavours are being made to ascertain the various requirements of the principal manufacturing industries so that there need be no hitch during the transition period. Much of the Colonial and Indian produce which formerly went to Germany has now been diverted permanently, it is hoped, to this country. The oilseed-crushing industry (chiefly copra, palm-kernels, and ground-nuts) is probably the biggest in point of value which has so been diverted. There has also been an enormous expansion in the tanning and dyeing industries from Colonial sources to take the place of raw materials and tanning extracts formerly supplied by the Central Powers. In regard to the supplies of drugs, the bulk of those derived from Egypt, such as henbane (our source of atropine), stramonium, and senna, has now fallen into British hands. Thymol is now a British

and Indian industry, whereas formerly its manufacture was a German monopoly. The cessation of imports of Turkey opium was the opening-up of a new chapter in Indian opium for medicinal purposes and the manufacture of morphine. There is now no reason why India should not supply all the Allied countries in course of time. The British Empire is fortunate in possessing supplies of many rich ores, like nickel, chromium, tungsten, molybdenum, tantalum, vanadium etc., and these have largely been developed during the war in the making of modern machinery for armaments. The manufacture of incandescent-gas mantles is now a British industry, whereas previously the essential ingredient, thorium nitrate, was directly or indirectly almost wholly in German hands, including our Indian deposits of monazite. Potash is now being manufactured at home on a largely increasing scale from blast-furnace dust, and supplies are assured, and that, together with supplies from the United States and Canada, should render unnecessary any supplies from Germany after the war. The State control of trade in Britain is a subject much exercising the minds of business men at the moment, and until affairs become more normal we are afraid that official control in many industries will last for a considerable period after the war. In the matter of organising and developing our supplies from overseas the Government will undoubtedly take a much larger share. There is evidence of this in the fact that it has been decided to set up a Government Bureau to deal with the mineralogical and metallurgical resources of the British Empire. This Department will incorporate the existing institutions devoted to these branches, and will co-ordinate information on the mineral resources of the British Empire, stimulate their development, and safeguard Imperial interests. There seems to be plenty of information available in regard to the resources of the British Empire, but its practical application to commerce has not hitherto been taken full advantage of. It will therefore be the duty of the Bureau to act as a clearing-house for information from all parts of the Empire, and, given the necessary good will among the various existing bodies, there is no reason why it should not be a success. It cannot yet be said that there are any definite views on the distribution of materials after the war, but the quotation with which this article commences may be taken as an indication of the policy of the Government on this matter. The Economic Conference of the Allies, it will be remembered, while it did much useful work, did not go beyond an arrangement providing that the Allies were to give each other a preference in the distribution of raw material after the war; but as to carrying out the full recommendations, this involves a change in our fiscal policy upon which the attitude of Great Britain is not yet clearly defined.

Brands as Trade-marks.

WE naturally turn to the Oxford Dictionary for an authoritative history of a word of the English language. The word "brand" is traced through various forms of spelling (brond, bront, bronnd, broynd, bran, and bron), and, like many other words in our language, it has clothed itself with new descriptive attributes with the passage of time, so that it has now come to mean in trade a good manufacture or selection, although it retains the older suggestion of opprobrium when applied to men or manners.

Some of the definitions are worth notice:

1. The mark made by burning with a hot iron (or, as it was rendered in 1552, "Bronde, or marke, made with a whote yron"; in 1601, "buls head imprinted vpon his shoulder"; and in 1722, "having the brand of an old offender").

2. A sign or mark, sometimes in a general sense, but usually (with reference to the practice of branding criminals) conveying the idea of disgrace; a stigma, a mark of infamy.

3. A trade-mark whether made by burning or otherwise (applied to trade-marks on casks of wines or liquors, timber, metals, and any description of goods except textile fabrics).

4. A particular sort or class of goods as indicated by the trade-marks on them.

In support of the last definition the quotations given are as follows: 1854, "ale of superior brand"; 1864, "renowned dealers whose brand passes muster"; 1880, "perfume of this brand of wax"; 1883, "special brands of steel wire." But it would be strange if the definition of a word which has been employed as a description for subject-matter for trade-mark registrations had not occupied the attention of the Courts, and, as a matter of fact, reported trade-mark cases supply several references. It should, however, first be shown how the word happens to be included in our trade-mark statutes. The word "brand" did not occur in the 1875 Act, but was introduced into that of 1883. The object of its introduction was essentially to allow marks branded upon cigar-boxes to be registered as trade-marks. Subsequently (in 1888) Lord Herschell's Committee on Trade-marks upon this subject held:

"There can be no doubt that the term derives its origin from the practice of producing some mark by means of burning, but it appears to be in use in certain trades for the purpose of describing trade-marks no longer produced in this way. . . . We think that in future brands should be dealt with in precisely the same way as labels or tickets."

In the statutes we find the word "brand" thus referred to:

Patents, Designs, and Trade-marks Acts, 1883-88.

For the purpose of this Act, a trade-mark must consist of or contain at least one of the following essential particulars:

Sec. 64 (1).

(*c*) "A distinctive device, mark, brand, heading, label, ticket, or fancy word or words." This was amended to:

Sec. 64 (1).

(*e*) "A distinctive device, mark, brand, heading, label, or ticket; or

(*d*) "An invented word or words."

And in the Trade-marks Act, 1905, now in force, the word "brand" is omitted from Section 9, which prescribes what a registered mark must consist of and revises the class of marks above referred to thus:

Sec. 9.

(3) An invented word or words;

(4) A word or words having no direct reference to the character or quality of the goods, etc.;

(5) Any other distinctive mark, etc.

A "brand" to-day, apparently, if a name, comes into Section 9, Subsection 1, 2, or 5; if a word, it comes into Subsection 3, 4, or 5; and if neither a name nor a word, it comes into Subsection 5 only, and in that event may be proceeded with by order of the Board of Trade or not, as the case merits. Meanwhile, however, the Courts had decided in Pirie *v.* Goodall (1892, 1 Ch. 35) that a brand could not consist of words unless such were otherwise capable of registration; and that the addition of the word "brand" as part of a trade-mark to words which were not capable of registration would not validate the mark. The learned Judge did not think the use of the words "Pirie's Parchment Bank" as a water-mark on paper was user as a brand, but saw no reason why a brand should not be woven into the goods just as much as stamped on them or burnt into them. The mark was expunged, it being held (by Mr. Justice Vaughan Williams) "that the word 'brand' must be limited in some way—it could not include all words (for instance, whether they were 'fancy' or not)—in point of fact in the registration of a brand it must be as a brand, and as braud only, that it is used." And in another case it was held that "John Bull Brand" was incorrectly registered for beer, and the mark was removed. Both the marks referred to were registered in 1885, and in neither case was the condemnation of alleged abuse of the word "brand" derived apart from the mark itself—there never having been any machinery for distinguishing marks registered under different heads such as brand, ticket, or label, or fancy or invented word. The newer meaning with which the word "brand" appears to have clothed itself has of recent years been taken advantage of in many industries, and it has become quite a common practice now to regard the term as equivalent to "trade-mark." Furthermore, it

has by popular usage become suggestive of good selection of manufacture, an economium instead of a designation of opprobrium. It is of considerable interest to observe the flood of recent registrations in which the word "brand" is obviously tacked on to names of substances so as to create for such names an adjectival use. Whether by such means has been achieved a thoroughly satisfactory solution of the obvious difficulty which arises out of making a claim to exclusive use of substance-names remains to be seen. Where, as in many cases, the word "brand" is followed by a word in common use which is *de facto* the common name and designation of the commodity, a case might apparently be made out for the brand's validity—*e.g.*, "Kudos" brand quinine; but where, as in many recent cases, phrases including the word "brand" are the subjects of application for registration as trade-marks, such as "Ointment Kudos brand" and "Pills Kudos brand," the word "Kudos" becomes the cloak under which some substance is put on the market, is therefore the name of the substance, and is no "brand" or trade-mark.

Chemical Trades Committee.

The Chemical Trades Committee which was appointed by the Minister of Reconstruction (*C. & D.*, October 6, p. 34) to advise as to the procedure which should be adopted for dealing with those industries has issued a Report. The recommendations made by the Committee are as follows:

1. That, in dealing with the problems of the chemical trade, action should be taken as far as possible in the closest collaboration with representatives of the trade.
2. That the Association of British Chemical Manufacturers should be considered as representative of the chemical trade as a whole, with certain branches excepted.
3. That a standing Committee should be appointed. This committee, which should be fully representative of all the interests concerned, would establish a permanent link between the Ministry and the trade.
4. That a departmental organisation should be set up in the Ministry of Reconstruction to deal with chemical questions.

It will be necessary, states the report, to establish a section of the Reconstruction Department which will be in a position to deal with matters which may arise in connection with the chemical trade. The Committee suggests the appointment to the Ministry of Reconstruction of a scientific man of good standing, who would command the respect and confidence of the trade, together with the necessary staff.

The following would represent some of the duties of this section:

1. To ascertain, with the assistance of the standing committee the chief problems which are likely to arise in the process of reconstruction after the war, and the best means of dealing with them.
2. To survey generally the chemical trade, both at home and abroad, and in consultation with the standing committee to afford advice for the broadening and improvement of the chemical-trade of this country.
3. To collect and disseminate information on and statistics of the chemical-trade.
4. To collect and collate as much information as is available on the work which has been done during the present war, which would, no doubt, be of great interest and assistance to the chemical-trade as a whole.

In suggesting an organisation on the above lines the Committee states it has not overlooked the possible necessity of establishing *ad hoc* Committees to advise on particular problems. This, however, is a matter which will, no doubt, be dealt with as occasion may require. In the report the Committee confines recommendations within the narrow limits defined by the terms of reference, which speak only of "chemical trade." If, however, for that expression were substituted "the national chemical industry," a much broader purview would be involved, and specific reference would be necessary to existing organisations other than those specifically founded for "trade" purposes, among which may be mentioned the Society of Chemical Industry, the Government Laboratory, the Committee of the Privy Council for Scientific and Industrial Research, the Imperial Institute, the National Physical Laboratory, and the Chemical Society.

Index to Volume LXXXIX.

This number completes Vol. LXXXIX. of The Chemist and Druggist, which covers the year 1917. It is proposed to publish a title-page and index for the volume, but in view of the necessity for economy in the use of paper this will not be sent out to every subscriber. Those who bind their copies or who desire to have copies of the index are requested to inform the Publisher of The Chemist and Druggist, 42 Cannon Street, London, E.C. 4, by postcard, and the index will be forwarded so soon as it is published. Some copies will be reserved for subscribers abroad, but, as in the case of our home readers, intimation should be sent by those who desire copies despatched to them.

Venereal Diseases Order.

We gave last week (p. 34) a list of the additional counties and county boroughs which, with the City of London, have

adopted free schemes of treatment for venereal diseases which have been approved by the Local Government Board. We gave a map in the *C. & D.*, July 28, p. 43, which should be compared with the one given here showing the areas of the country in which *on and after March 1* it will be an offence under the Venereal Disease Act for those who are not qualified medical practitioners to treat, prescribe for, or give any advice in connection with the treatment of venereal disease.

Nettle Fibre.—The "Bulletin of the Imperial Institute" (xv., 7) reports that the Institute has examined a sample of nettle fibre from India. The sample consisted of uneven, very tangled fibre, brown to pale buff in colour, with many green portions. It had apparently been prepared merely by mechanical treatment, and contained most of the gum and was coated with bark. The length of staple was mainly about 3 ft. 6 in., composed of extremely fine ultimate fibres 4 to 5 in. in length. In the crude state the fibre would have little value, but might be used in coarse jute goods. The de-gummed fibre would hardly be a suitable substitute for flax or ramie, being deficient in strength and spinning qualities. The fibre might be obtained sufficiently clean and free from gum and bark by retting to be used in admixture with jute or hemp, but if retting were not practicable in India, it might be saleable in the form of clean bark ribbons prepared by scraping away the outer bark as in the preparation of China grass.

Associations' Winter Session.

Bolton.—The Bolton Pharmacists' Association met at Collinson's Café on December 13, when six new members were elected—Miss Thompson and Messrs. Bradley, Roberts, Marshall, Varley, and Woodward. At the conclusion of the business a "hot-pot" supper was served, and the rest of the evening was devoted to vocal and instrumental music.

Carnarvonshire.—The annual meeting of the Carnarvonshire Pharmacists' Association was held at Bangor last week, Mr. W. G. Roberts (Llanfairfechan) presiding, when a discussion took place on the Insurance dispensing Tariff. The following officers were elected for the ensuing year: *President*, Mr. W. G. Roberts; *Vice-President*, Mr. Bryan (Penmaenmawr); *Hon. Secretary*, Mr. H. Gibson (Llandudno); *Treasurer*, Mr. W. A. Roberts (Llandudno); *Auditor*, Mr. McIntosh (Llandudno).

East Anglia Federation.—Mr. Chas. Harrison, the Hon. Secretary, has issued a statement of the objects and aims of the East Anglia Federation of Pharmaceutical Associations. He invites criticism and suggestions.

Edinburgh.—The Edinburgh Chemists', Assistants', and Apprentices' Association met at the Society's House, 36 York Place, on December 12, Mr. James Adamson (President) in the chair, when a paper on *Apprenticeship Twenty Years Ago and Now*, by Mr. J. H. Tainsh, was read, in which the author compared the past and present conditions of the apprentice, and showed the advantages of the present system of business, illustrating his remarks with amusing reminiscences of his own apprentice-days. The paper was discussed by Messrs. Nightingale, Tait, and Hill, and a cordial vote of thanks was awarded to Mr. Tainsh. Mr. Rutherford Hill, under what he called *Back-shop Experiments*, gave illustrations of explosive chemical combination, dehydration of sulphuric acid, and an invisible ink, in which words written with mercurous-nitrate solution became visible on exposure to ammonia gas. He also mentioned that he had just received from Mr. Alexander Spence, of Leslie, a note of the recent discovery of a complete and most interesting collection of ancient weights and measures in a recess in the upper regions of the Town Hall at Cupar in Fife. Many of these were engraved with the Linlithgow coat of arms, and appeared to belong to the Linlithgow standard weights and measures, of which many interesting examples were seen by the members of the Association during the botanical excursion to Linlithgow last summer. On the motion of the Chairman a vote of thanks was awarded to Mr. Hill.—The Edinburgh District Chemists' Trade Association met at the Society's House, York Place, on December 17, under the presidency of Mr. James Dick, when Mr. W. S. Glass read a paper on *How to Increase Profits*. This is only to be effected in pharmacy, said the author, by business proficiency. The chemist should know his business and how to analyse it as he would a simple or compound salt; he should know its principles and its details—know it from the outside and the inside. He must know how to sell and how to buy, and must study the markets. After deploring the effects of Insurance dispensing work, Mr. Glass suggested that profits might be increased by the manufacture of galenicals in spare time and by diminishing or discouraging the less profitable side-lines and pushing those which paid better. An interesting discussion followed, in which Messrs. Duncan, McLennan, McGlashan, and Hill joined. Mr. Glass replied to the points raised by the various speakers, and, on the proposition of the Chairman, was warmly thanked for his paper. Messrs. H. R. Nightingale (Edinburgh) and George Cooper (Leith) were elected members.

Hampshire.—The annual general meeting of the Hampshire Pharmacists' Association was held at the offices of the Hampshire Insurance Committee, Winchester, on December 12, Mr. Davies (President) in the chair. The Secretary's report and the Treasurer's report and balance-sheet were adopted. A sum of 3*l.* 3*s.* was unanimously voted to the Benevolent Fund and 3*l.* 3*s.* to the Parliamentary Fund. The following officers were elected: *President*, Mr. C. S. Davies; *Vice-Presidents*, Messrs. S. G. Bartlett and E. H. Smith; *Secretary*, Mr. C. H. Baker; *Treasurer*, Mr. Wainwright. The Committee were re-elected, and the officers were thanked for their services during the past year. Mr. F. E. Bilson, member of Council of the Pharmaceutical Society and first President of the Association, then addressed the meeting on *Current Pharmaceutical Topics*, giving a *résumé* of the work of the Pharmaceutical Society and dealing first with Insurance matters. He regretted that they had not succeeded in getting the rural area question settled, as he knew that this affected them very much in Hampshire. With regard to the existing organisation he was strongly in favour of the Local Associations Executive Committee being elected by the Pharmaceutical Committees. In describing the work of the Benevolent Fund, he thanked the members for their generous support. Mr. Bilson was thanked for his address, and a vote of thanks was also passed to the Hampshire Insurance Committee for the use of rooms for the meetings during the past year and to the Clerk of the Insurance Committee for his assistance.

Harrogate.—The Harrogate and District Pharmaceutical Association held its second general meeting at the Salisbury Hotel on December 13, when Mr. J. W. Harper (President) took the chair. A most instructive address was delivered by Mr. F. A. Johns, M.B., M.R.C.S., on *Ultra-violet Light*. He gave a full description of the manner in which the light was produced, and showed some of the more interesting parts of the apparatus. Its uses and effects were then explained, and an interesting discussion followed. Mr. Johns then read a second paper, on *Popular Superstitions and their Explanations*, which proved both humorous and entertaining.

Huddersfield.—At the meeting of the Huddersfield and District Chemists' Association on December 4 (Mr. V. Shaw presiding), the Secretary was instructed to make inquiries of other Associations regarding the adoption of a minimum-price list. A resolution of the Pharmaceutical Committee recommending chemists to remain on the Insurance panel was approved. Mr. J. H. Cooper (Hon. Secretary) reported that he had written to fourteen firms producing proprietary articles in regard to more favourable terms for retailers, but had received no replies.

Merthyr Tydvil.—A meeting of the Merthyr Tydvil Pharmacists' Association was held on December 19, Mr. V. A. Wells in the chair. A lively discussion took place on *Profits on Proprietaries*, and it was eventually resolved to elect a small Executive Committee to meet the various grocers and stores managers who handle patents. Letters were read from the P.A.T.A. and Brighton Pharmacists' Association with reference to the same subject. On being opened, the sum of 25*s.* was found in the collecting-box of the Benevolent Fund; this sum was directed to be forwarded to the Pharmaceutical Society.

Middlesex.—A meeting of the Executive of the Middlesex County Pharmaceutical Association was held at the Progressive Pharmacy Club on December 5, Mr. H. E. Clement in the chair. The business included adoption of the annual report, discussion of price-lists, reports from District Associations, and other matters.

Newcastle-upon-Tyne.—A whist-drive in connection with the Newcastle-upon-Tyne Pharmacists' Association was held on December 12. There was a good attendance, 120 persons playing whist, those present including pharmacists from Gateshead and Tynemouth. The entertainment was highly satisfactory from a social and financial standpoint, a sum of 4*l.* 8*s.* being realised for the Pharmaceutical Benevolent Fund.

North Irish Pharmacists' Association.—On December 6, Mr. Wm. Hanna, J.P., Ph.C., entertained to supper at the Carlton, Belfast, the officials of the Association and a few personal friends who had helped to secure his election to the Pharmaceutical Council. After supper and the toast-list had been disposed of, the evening was devoted to a smoking-concert, the musical programme being provided by Messrs. Briggs, Newell, and Alan Parker.

Tales of Oenophus.

II.—Ye Coddendum.

PERADVENTURE there be those who wot not ye Wisdom of ye Pannellers. Therefore hearken to my Tale.

In ye Shire of Lundin an all-wise Farma Zootical Comity ruled by ye grace of Bluhmsbré. And their Over-Lords begat a book yclept Coddendum and prynked gayly in their pride. But Cavillers scoffed atte ye Wrytynge thereof proclaiming it Rotte. Atte which ye Rulers waxed wroth for they feared a Froste.

But ye Wise Men dissembled and Evolved a Scheme.

Now ye Pannellers had payed many Shekels to ye Farma Zootical Comity, and ye Treasure was laid up against a Rainy Day. So ye Comity thrust with bounteous hands a Coddendum upon each Panneller, saying: This priceless Tome is thine FREEGRATIS if perchance thou givest Another to a Man of Healing.

So ye Simple Pannellers rusht for Coddendums twain and ye Keeper of *their* Shekels payed.

Verily a Great Scheme, cooed Kyng Edmonde.

Insurance Act Dispensing.

Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Bradford.—At the last meeting of the Insurance Committee, Mr. W. Gill alluded to the lack of adequate provision for tuberculosis patients in Bradford, and also to the fact that no woman doctor was on the panel of the city, though there were a large number of women workers now in the town. He trusted that both defects would receive immediate attention as the needs were so pressing. —The estimates for 1918 were approved, the figures being: Income, 2,507*l.* (a decrease of 486*l.* on last year); expenditure, 1,392*l.* (an increase of 92*l.*). There would be a probable deficit of 217*l.* at the end of 1918.

Oxfordshire.—At the last meeting of the Insurance Committee, the Medical Benefit Sub-Committee reported that the Commissioners had approved the payment of a flat-rate of 6*d.* per prescription to doctors and institutions supplying medicines to invalided men. The resignation of Mr. F. Pearce, chemist and druggist, Chipping Norton, was accepted as from October 31, 1917.

Southport.—At the monthly meeting of the Insurance Committee, it was reported that a letter had been received from the Commissioners respecting the resolution of protest passed by the Committee against the restriction in the use of glycerin and sugar in medicine. The Commissioners state that the action is the necessary consequence of the amendment of the British Pharmacopœia by the General Medical Council.

SCOTLAND.

Aberdeenshire.—A lively discussion sprang up at the December meeting of the Aberdeenshire Insurance Committee over the action of the Medical Benefit Sub-Committee in promising to use their efforts at Military Tribunals in aid of applications by chemists' assistants for exemption. Bailie Dickie, Peterhead, declared emphatically that there were enough chemists in Aberdeenshire to dispense good drugs, and expressed the opinion that it would be better if there were two-thirds less drugs dispensed than at present. The Committee, by a large majority, disapproved of the Sub-Committee's attitude, thus leaving pharmacists to fight their own battles at the Tribunals. A local chemist, asked his views on the subject, has made the obvious retort that if there were more qualified chemists in the county there would be less quack medicine consumed.

Dundee.—At a joint meeting of the Pharmaceutical Committee and the Committee of the Dundee Pharmacists' Association, it was decided to contribute 5*l.* from the funds of the Association towards meeting the loss incurred by panel chemists in the Shetland area (see *C. & D.*, November 10, p. 38).

Kincardineshire.—The Insurance Committee has agreed to the appointment of a small Joint Committee by the County Council and the Insurance Committee to consider all applications for benefit and treatment.

December Drug-prices.

The closing Tariff Appendix for the year holds the record for the highest number of alterations in any one month. Fifty-seven drugs are altered, twelve being decreases and forty-five increases. The prices of five appliances are also increased. This shows market instability, and justifies the decision of the Standing Committee to have all drugs and appliances starred in the new Tariff. Chemists are notified that many forms have been received by the Bureau having the last instead of the first running number for the month uppermost. This entails unnecessary labour on the staff, and chemists are asked to see that in future the first number appears first on the bundle of forms for the month. The new English Tariff has created misunderstanding in the ranks of Scottish panel chemists, and a careful analysis of 200,000 prescriptions has gone to prove that Scotland still is much better paid for panel work than England. The figures show the Scottish advantage to be 9.71 per cent. on the price of drugs, and of 7 per cent. on dispensing-fees. The Committee is fully alive to the fact that the remuneration is still much too low, but the result of the analysis has been most reassuring to Scottish chemists. There are other advantages on the side of the Scots, starred articles bearing increased profits on the handling of the drugs, and the arrangement for a quarterly break in the contracts should the case ever necessitate it. The bonus system is also renewed.

Name	oz. s.	oz. d.	dr. s.	dr. d.
Acetanilid. ...	0	5½	0	1
Acid. benzoic. ...	2	3	0	4
Acid. salicyl. ...	1	0	0	2
Ammon. benz. ...	2	10	0	5
Ammon. brom. ...	0	8½	0	1½
Bism. salicyl. ...	2	3	0	4
Butyl chlor. hyd.	14	8½	2	1½
Caffeina	7	0	1	0
Caff. cit.	5	2	0	9
Calcii lact. ...	1	5	0	2½
Chlor. hydras ...	1	5	0	2½
Cocain. hydrochlor.	—		11	11
Codeina	—		7	1½
,, phos. ...	—		6	5
Ext. bell. liq. ...	1	9½	0	3½
Ext. cannab. ind.	—		3	5
Ext. ergot. ...	—		0	6½
Ferri quin. cit. ...	2	4	0	4
Guaiacol carb. ...	16	1½	2	4
Hexamina ...	0	8½	0	1½
Homatrop. hydrob.	2*s.* 4*d.* gr.			
Iodoformum ...	2	10	0	5
Iodum	2	1½	0	4
Lin. bell. meth. ...	1	0	0	2
Lin. camph. ...	0	3½	0	0½
Lith. carb. ...	1	3	0	2½
Lith. cit.	1	1½	0	2
Lith. cit. eff. ...	0	4½	0	1
Naphthol ...	1	3½	0	2½
Ol. amygd. ...	0	4	0	1
Ol. morrhuæ ...	3*s.* 9*d.* Imp. pint			

Name	oz. s.	oz. d.	dr. s.	dr. d.
Ol. olivæ	0	2½	0	0½
Ol. ricini	0	2	0	0½
Paraldehyd. ...	2	4	0	4
Phenacetin. ...	8	8	1	3
Phenolphthalein.	9	4	1	4
Potass. sulphurat.	0	4	0	1
Potass. acet. ...	0	6	0	1
Potass. brom. ...	0	10	0	1½
Potass. carb. ...	0	4	0	1
Potass. iodid. ...	1	7½	0	3
Potass. permang...	1	10	0	3½
Potass. tart. acid.	0	4½	0	1
Quin. hydrochlor.	7	8½	1	1½
,, ,, acid.	8	8	1	3
,, sulph. ...	5	7½	0	10
Rad. rhei pulv. ...	0	6½	0	1
Resorcin.	7	11½	1	2
Salol	1	6½	0	3
Santonin.... ...	—		2	8½
Sod. benz. ...	2	3	0	4
Sod. brom. ...	0	5	0	1
Sod. iodid. ...	2	4	0	4
Sod. phos. eff. ...	0	4	0	1
Syr. tolu. ...	0	2	0	0½
Theob. sod. salicyl.	6	8	0	11½
Ung. belladon. ...	1	10½	0	3½
Ung. hydrarg. ...	0	5	0	1
Ung. hydr. oleat.	0	4	0	1

Appliances.—Cotton-wool, 2 oz. 6*d.*, 4 oz. 11*d.*, 8 oz. 1*s.* 8*d.*; boric wool, 3*s.* 4*d.* lb., 3½*d.* oz.

Notes.

MEDICAL RESEARCH COMMITTEE.—The third annual report of this Committee, which is established by funds derived from National Health Insurance, deals with research work for the year ending September 30. Most of the work has been undertaken for the military authorities, so that there is not much point in a complaint that owing to the enlistment in the Forces of so many persons previously insured the annual sum available for research is less than previously expected by about 7,000*l.* Insured persons are contributing money for work the cost of which should be defrayed by the Army authorities. Among the investigations is one regarding the value in the treatment of amœbic infection of the Mexican plant *Castela Nicholsoni*, popularly known as Chaparro amargosa (bitter bush). Two crystalline principles have been isolated from the plant, and these are being tried clinically. Simaruba-bark is also being tried for the same purpose. The treatment of infected war-wounds has been the subject of numerous researches, many of these having been referred to in the *C. & D.* during the year.

CHARGES AGAINST A DOCTOR.—The National Health Insurance Commissioners (England) have informed the Bournemouth Insurance Committee that as a consequence of the inquiry held on July 17, with regard to Dr. Richard Neville Hart, M.R.C.S., L.R.C.P., Exeter Road, Bournemouth, they are satisfied that the continuance of this doctor on the panel would be prejudicial to the efficiency of the medical service of the insured. They have therefore decided to remove him from the panel. In arriving at their decision, the Commissioners state that they have felt bound to attach great weight to the last of the inferences drawn by the Inquiry Committee, which is in the following terms:

"Generally, that the conduct of the respondent was wrong-headed and objectionable, and deliberately calculated to bring the administration of Medical Benefit under the Insurance Acts into disrepute."

The series of incidents narrated in the report from which this inference is drawn shows that the doctor, while not convicted of negligence in his professional capacity, or of deliberate fraud, took every opportunity to discredit the system under which he was working; and the Commissioners cannot doubt that, had the relation between the Insurance Committee and the doctor been that of an ordinary contract terminable at the will of either party, the Committee would long ago have taken steps to prevent the recurrence of such incidents by putting an end to the contract.

INVENTION is a faculty of the imagination, the inventive temperament being akin to the artistic temperament, and real inventors, like true artists, being born and not made. In order to be great both must have creative powers in a high degree. Unless gifted at birth with the inventive afflatus, the ordinary man can no more by taking thought make himself an inventor than he can add a cubit to his stature.—*Mr. A. A. Campbell Swinton, F.R.S.*

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

PARLIAMENT ADJOURNS.

On December 20 Parliament adjourned until January 14.

PATENTS AND DESIGNS BILL.

Sir A. Stanley promised in the House of Commons on December 20 to circulate an explanatory memorandum in regard to the Patents and Designs Bill which is to be reissued next session.

PALM-KERNELS.

Mr. Clynes, the Parliamentary Secretary of the Food Controller, stated in the House of Commons on December 20 that all palm-kernels in the United Kingdom belonging either to neutrals or to British subjects had been requisitioned.

BRITISH INDUSTRIES FAIR.

Some questions have been asked in the House of Commons regarding the British Industries Fair. Sir Arthur Steel-Maitland stated in reply that the Fair held in the spring was self-supporting. The decision to hold the Fair annually is justified in view of the efforts which other countries are making to promote their trade by means of similar fairs. It is anticipated that over 3,000 firms will exhibit at Lyons in March of next year. He was unable to guarantee that labour will be found to execute all orders received at the next British Industries Fair.

THE COCAINE COMMITTEE.

Sir George Cave, in reply to a question in the House of Commons, stated that the Cocaine Committee was appointed by the Secretary of State at the time when Defence of the Realm Regulation 40B (which regulates dealings in cocaine and opium) was made for the purpose of advising upon any applications for permits under the Regulation that might be referred to it. A considerable number of applications were referred to and reported upon by the Committee. It has not been necessary for the Committee to hold any sittings during the last six months, but it is proposed to continue it in existence to deal with cases which may arise from time to time. There has been no change in its personnel; accommodation and secretarial assistance have been provided at the Home Office, and no special expenditure in respect of salaries, rent, printing, etc., has been incurred.

NATIONAL TRADE-MARKS.

Mr. Boland on December 18 asked the President of the Board of Trade whether his attention has been called to the steps taken to register the trade-mark, Unis-France, as a national trade-mark for productions which are genuinely French, made by French workers; whether, in view of the success which has attended the institution, eleven years ago, of the Irish national trade-mark, he can state what facilities have been given to the Union National Inter-Syndicate des Marques Collectives, whose headquarters are in Paris, for the registration of the French national trade-mark in the United Kingdom; and can he state what steps have been taken, by conference or otherwise, by the Allied States to promote the registration of distinctive national trade-marks, with a view to securing a proper system of protection for goods which are the genuine products of the respective Allied nations, and at the same time a better system of statistical records, showing not merely the volume of exports and imports in particular countries, but the country of origin and ultimate destination of national products.

The Parliamentary Secretary to the Board of Trade (Mr. Wardle) replied that an application for the registration of the trade-mark, Unis-France, has been made to the Board of Trade under Section 62 of the Trade-marks Act, and is now under consideration. He was not aware of any formal steps which have been taken by conference or otherwise in reference to the registration of distinctive national trade-marks.

EXPORT OF AERATED WATERS.

Mr. Lindsay on December 13 asked the President of the Board of Trade if he is aware that the export of Belfast mineral waters to neutral countries outside of Europe is now restricted in the case of sweetened waters to 25 per cent. of the exports of the five years preceding 1917, and in the case of unsweetened waters to 50 per cent. of the exports of the same period; if he is aware that these percentages are based on aggregate exports, which, owing to the war, are 50 per cent. lower than the exports of a period of five normal years; if he is aware that consignors have had no difficulty in getting shipping companies to agree to carry such goods; if he is aware that, while only 25 per cent. of the pre-war quantity of sugar used by this mineral-water industry is allowed the industry by the Sugar Commission, by reason of the use of sugar substitutes the industry is enabled to increase its output of sweetened waters; and, seeing that by costly advertising efforts throughout the past fifty years the industry has built up a valuable trade in friendly foreign countries and in our Colonies, and that there is now a much larger demand for its products through the displacement of waters formerly obtained from enemy countries, and that if permitted to do so manufacturers can continue to supply these markets to a much greater extent than is permissible under the restrictions in question, representations will be made to the War Trade Department with a view to the withdrawal of the restriction on unsweetened waters and to the authorisation of larger exports of sweetened waters.

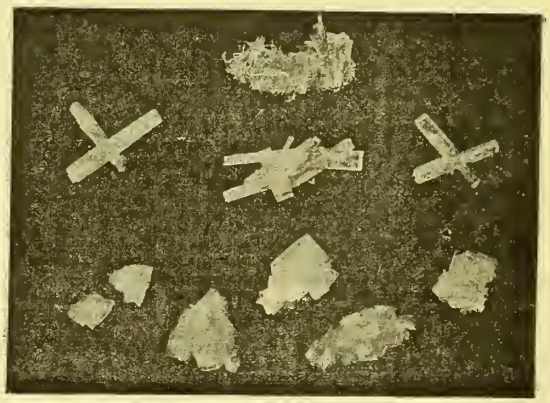
Mr. Wardle, who replied, said the answer to the first and third parts of the question is in the affirmative. As regards the second part, he stated that there was a considerable expansion in the exports in the years 1911, 1912, and 1913, and two of these years are included in the five years preceding 1917. He had no information as to the extent to which sugar substitutes have been employed in manufacture, but as regards unsweetened mineral waters the Director of the War Trade Department informed Mr. Wardle that, on further consideration, he is about to authorise the issue of licences for the export of an amount practically equivalent to the average trade of the five years referred to.

Aspirin Crystals.

By H. F. Slack, Ph.C.

(A communication from the Laboratories of the Standard Tablet Co., Ltd.)

IN the course of experimental crystallisations of acetylsalicylic acid, the writer noted the property of this chemical of being deposited in several different forms. The crystals illustrated were obtained from a chloroform solution of



the acid, although in large-scale operations this solvent is usually replaced by cheaper liquids, such as benzene. It should be stated that no specific attempt was made to "grow" the crystals; any person so disposed may obtain even more interesting results than those here depicted. It will be observed that the crystals exist in three forms, two as needles and the third as flat square tables, the former kinds being closely allied, if not identical in shape, but differing considerably in size. The top cluster shows the form most usually found in commerce, but the other two are of beautiful appearance and unique in both size and grouping. Whether the different crystals respectively are characteristic of aspirin, or are due to the physical structure of the salicylic acid used in the acetylation, must be left for others to explain or determine, and it would be interesting, if not of direct value to the chemical industry, to have the views of experts in crystallography on this matter. All the crystals have the now accepted melting-point of the pure acid, a little above 135° C., but it is possible that other observers may detect some slight differences in their chemical and physical behaviour. To be able to present aspirin in the form of large needles or as flat square tables would doubtless be a novelty of no little value to manufacturers.

New Companies
and Company News.

P.C. means Private Company and R.O. Registered Office.

METALLIC CHEMICALS, LTD. (P.C.). — Capital 60,000*l.* Objects: To enter into an agreement with the Holywell Standard Chemicals, Ltd., and to carry on the business of manufacturers of and dealers in chemicals, pigments, paints, metallic salts, and drugs, etc. R.O., 11-12 Finsbury Square, London, E.C. 2.

BRITISH STABLE SUPPLY CO. (1917), LTD. (P.C.).—Capital 10,000*l.* Objects: To carry on business as manufacturers, importers and exporters of and dealers in rock salt, refined, purified, and medicinal salts, feeding-cakes, salt-cakes, and salt-bricks for cattle, dog biscuits, molasses, disinfectants, etc. R.O., 24 North John Street, Liverpool.

F. & H. LEWIS, LTD. (P.C.).—Capital 500*l.* Objects: To take over the business of a manufacturer of powder and rouge puffs, papier poudré, face-leathers, swansdown goods, druggists' sundries, etc., carried on by H. Jacobsen at 679 Alexandra Park Road, Wood Green, as "F. & H. Lewis." R.O., 679 Alexandra Park Road, Wood Green, London, N.

ANILINE DYE AND CHEMICAL CO., LTD. (P.C.).—Capital 350,000*l.* Objects: To carry on business as manufacturers of and dealers in aniline oil and salts and nitric, sulphuric, hydrochloric, and other acids, chemical manufacturers and merchants, soap-manufacturers, druggists, manufacturers of and dealers in proprietary articles and toilet and photographic requisites, perfume-manufacturers, etc. Solicitors: Spyer & Sons, Austin Friars House, London, E.C.

MONAZITE PRODUCTS, LTD. (P.C.). — Capital 30,000*l.* Objects: To carry on business as winners and manufacturers of monazite sand, smelters, calciners, refiners, and manipulators of mineral sands, rare earths, ore and mineral substances, and chemical and coal-tar residues, metallurgists, manufacturers of nitrate of thorium and by-products associated therewith, manufacturers of saccharin and chemical products, drysalters, oil and colour men, etc. Solicitors: G. Reader & Co., 35 Coleman Street, London, E.C.

CASSEL CYANIDE CO., LTD.—The report for the year ended September 30, 1917, states that the net profit amounted to 112,532*l.*, to which has to be added the balance of 31,353*l.* from last year. The directors recommend a further dividend of 2*s.*, making 3*s.* per share, and carry-forward 38,135*l.*

CHEMICAL WORKS MADOERY, LTD.—Mr. Herm. Madoery, Chemical Works, Basle, Switzerland, has converted his business into a limited company under the above title. The capital is one million francs, of which 500,000 fr. is paid up. Mr. Herm. Madoery is chairman of the board, and Mr. Alb. Eger is manager. Messrs. Jos. Erhardt and Ed. Jordan will sign *per pro.*, and Mr. R. H. Anderson will continue to be manager of the New York branch.

CASTNER-KELLNER ALKALI CO., LTD.—The twenty-second ordinary general meeting of this company was held at Cannon Street Hotel, London, E.C., on November 30, the Right Hon. G. W. Balfour (chairman) presiding. The report showed a net profit for the past year of 263,321*l.*, out of which the directors recommended that 50,000*l.* be appropriated to depreciation reserve and 110,000*l.* in payment of a final dividend of 11 per cent., carrying forward 45,078*l.* About 200,000*l.* had been spent, just before the war began, in extending the company's plant, but they had not yet begun to reap the benefit of that expenditure. Good results were expected from the alliance entered into between the company and Brunner, Mond & Co., Ltd.

LEVINSTEIN, LTD.—The annual meeting was held at Blackley, Manchester, on December 21. Sir John Lonsdale, who presided, said they were unable to place any balance-sheet for the years 1915 and 1916 before the meeting owing to a settlement not having yet been reached regarding excess-profits duty. Sir John gave a detailed account of the dye position before August 1914, and the steps taken by the company to develop the industry since the war. The company was now self-contained, making their own supplies of oleum and nitric acid, and producing all the complicated intermediate products required for final dye-manufactures. Sir John told what had been accomplished in the manufacture of synthetic indigo, and how they had successfully overcome the difficulty in preparing an all-essential intermediate, which was not manufactured at the works erected by the Germans to comply with the Patents Act. They had solved this problem with extraordinary speed, and the company was now manufacturing synthetic indigo on a large scale.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. As a result of the War wholesale houses have had to contend with many fresh difficulties, some of which have involved greatly increased expenses. Shortage of labour with higher wages (equal to almost double pre-war rates) has a direct effect upon values of goods, as also have railway carriage, freights, cartage, and other charges. The foregoing and other incidental outlays prevent retail buyers purchasing at the market prices quoted here.

42 Cannon Street, E.C. 4, December 27, 3 p.m.

THE chemical, drug, and produce markets have been closed for the Christmas holidays since our last issue, and re-open to-day (Thursday). With stocktaking operations occupying the remainder of the year, however, trading will be quite retail for another week or so.

Cablegram.

NEW YORK, December 27.—Business in chemicals and drugs is fair. Menthol is lower at $3.15 per lb. Cartagena ipecacuanha has advanced to $3.00, and peppermint oil in tins is lower at $3.25. Balsam tolu is again dearer at 85c. per lb.

Port of London Authority.

Notice is given by the Port of London Authority that in consequence of the extra cost entailed by further increases in wages and salaries, by the continued advanced prices of stores and materials, lighterages and carriage of goods, and by working expenses due to war conditions, the following increases will be made in the existing tariffs of dock and warehouse dues, rates and charges—viz., dock and warehouse rates, charges and rent on goods, 50 per cent. instead of 30 per cent. as at present; dock dues and other charges (except rent) on vessels and lighterage, 50 per cent. instead of 30 per cent. as at present; dock dues and vessels in Class 1, 47½ per cent. instead of 27½ per cent. as at present; rent on vessels and lighters, 35 per cent. instead of 15 per cent. as at present. These increases will take effect as from January 1, 1918.

Indian Beeswax.

The Department of Commerce and Industry, Government of India, in a circular letter sent to Chambers of Commerce in India, state that the Government view with grave concern the prevalence of the practice of adulterating Indian produce before export. In reference to beeswax they say: "In 1915 the Imperial Institute, London, drew attention to the adulteration of Indian beeswax. They pointed out that if a continuous supply of pure beeswax could be obtained it was probable that the greater part of the Russian beeswax-trade, which was formerly in the hands of the Germans, would remain permanently in British hands, and a steadily increasing industry for India would result. They suggested that these facts should be brought to the notice of the traders concerned in this country. A copy of the letter from the Imperial Institute was transmitted to all Local Governments and Administrations for communication to local commercial bodies. The Government of India have been consistently opposed to any attempt to meet the evil by legislative measures. They have held the view that any such measures would be extremely difficult to carry into effect, would seriously hamper trade, and would probably in any case prove ineffectual as a practical remedy. They have maintained the opinion that the proper agency for dealing with these abuses is the trade itself, and that no intervention on the part of Government is desirable. At the same time they would welcome any suggestions on the subject, and would be glad to co-operate if further discussion should show that any action on their part is at once feasible and desirable. It seems to them, however, more probable that the situation could be most satisfactorily dealt with without any intervention on the part of Government. If the leading exporting firms of any particular commodity in India would arrange with their leading buyers that the latter should insist on freedom from adul-

teration, an improvement could probably be more readily effected by this means than by any action on the part of Government. This would seem to be the most fruitful line of attack, but it has also been suggested that Chambers of Commerce in India might organise some system of certifying to the purity of products before export. This suggestion seems worthy of consideration."

Zanzibar Cloves.

According to the annual Colonial report on the trade of Zanzibar for 1916, it is estimated that there are in both islands (Zanzibar and Pemba) about 60,000 acres under clove-cultivation, and about 5½ million trees in bearing. The large plantations are chiefly owned by Arabs, a few being held by Indians. Many natives possess small plantations. The output varies considerably, the trees bearing heavy crops periodically every three to five years. The average output of recent years has been about 14,000,000 lb. The largest crop was that of the season 1911-12, yielding 28,000,000 lb., of which Pemba contributed 20,000,000 lb. The smallest crop recorded of recent years was in the season 1912-13, when only 4,750,000 lb. was harvested, of which Pemba contributed rather more than 3,500,000 lb. The average yield per annum from a plantation of about 3,000 trees of about sixty years old, owned and managed by Europeans, is 8 lb. per tree; ninety-eight trees are planted to the acre. The price varies according to the size of the crop. Marked fluctuations are due to outside causes. The price of recent years has varied from Rs. 8-8-0 to Rs. 14-5-0 per frasila of 35 lb. The Government levies a duty of 25 per cent. on all cloves exported. Deliveries for the season 1915-16 (July 1, 1915, to June 30, 1916) and for the season 1916-17 to date (March 31) were as follows:

	1915–16 lb.	1916–17 lb.
Zanzibar	4,957,399	6,715,011
Pemba	22,929,059	9,644,654
Total	27,886,458	16,359,665

For the remaining three months of the present season about 1,400,000 lb. to 1,575,000 lb. may be expected to come in from merchants' stores. Prices per frasila (35 lb.) during the season ranged from Rs. 10.51 to Rs. 11.22 for Zanzibar cloves, and from Rs. 9.91 to Rs. 11.51 for Pemba. Prices have not been affected in any marked degree by the war.

Continental Notes.

CALCIUM CARBIDE.—The price of carbide in Sweden has risen from about 36 öre per kg. during the first half of 1917 to Kr. 1.25 per kg. Supplies are said, however, to be sufficient.

CAUSTIC SODA.—The new factory built by the Uddevalla Co., Sweden, for the manufacture of caustic soda is stated to be nearly ready to commence operations.

COPPER SULPHATE.—The "Chem. Zeit." states that in Rumania the lack of copper sulphate led, before the war, to the working of the copper pyrites of Altan Tepe, in the Dobrudja, into copper-sulphate crystals, in three works in Jassy, Bouffea, and Campania. The daily output is said to have amounted to 5 tons.

NICKEL.—The sole nickel-factory in Norway was burnt down, but is now almost in working order again. Meanwhile, there is a strong feeling that nickel should not be sent to Germany, as it is used in torpedoes. Many indignant letters on the subject have appeared. Admiral Börresen, the chairman of the nickel-factory, has stated that the factory has contracts with Germany, and proposes that the Government should issue an export prohibition on nickel and compensate the factory for loss of contract. So far no action has been taken by the Government.

OLIVE OIL.—The yield of olive oil in Continental Greece will barely reach 10 million okas, while last year the amount was 40 millions. Fortunately, the yield of olive oil in Crete and Mitylene is very abundant, and will help to cover the deficiency.

POTASH SALTS.—Figures relating to the deliveries of potash in Germany up to the present date in September are not yet available, but it is assumed that they will be considerably less than in the corresponding period of last year. There is a great demand for potash, but the circumstances of the coal-supply and the cartage and labour questions are adverse to the execution of orders.

SULPHUR.—"Tidens Tegn" (September 18) publishes an article on the great Lökken sulphur-mines, some twenty to thirty miles south-east of Tronhjem. They were known 200 to 300 years ago, and the richest of the ore was extracted, but for want of scientific knowledge vast deposits of the greatest value were left untouched. These deposits have been worked for twenty years with ever-increasing success, and the mines are now the largest in Scandinavia. Even ten years ago the site had only a few scattered farms on it; now 2,000 workmen earning a good wage, and their families—at least 4,000 persons—are living there in a small town. The ore is largely used in the cellulose-factories, which are very numerous throughout the country, and a certain amount of the sulphur pyrites has to be shipped to England on contracts made some years ago. By a further process copper can be extracted from the by-products, but this has at present to be done in England. Norway, however, is procuring the necessary plant to make it independent of foreign help. The writer laments that at the present time all work is suspended by labour difficulties, and a fierce war is being waged with the Syndicalists, the question being whether they or the owners shall control the undertaking. The latter are very determined, and declare that rather than yield they will shut down the works, which would be a serious disaster to the 4,000 persons dependent on the mines, as well as to the whole country. The mines have a fleet and a railway of their own to carry the ore, which is said to be almost inexhaustible.

Arrivals of Chemicals, Drugs, etc.

THE following arrivals have taken place at the Ports of London and Liverpool:

To London
(December 8 to 14).
Acetanilide, 25 cs.
Aconite-root, 3 sks.
Alcohol, wood, 7,529 gals.
Antimony reg., 227 tons
Apiol, 4 cs.
Arnica-flowers, 4 cs. 20 sks.
Argol, 2,123 pkgs.
Balsam tolu, 23 cs.
Belladonna-leaves, 4 sks. 28 bgs.; root, 6 bls.
Bromides: potash, crystals, 61 cs.; sodium, 25 cs.
Bronze-powder, 20 cs.
Camphor, 480 cs.
Cantharides, 100 cs.
Chemical products, unrated, 5 cs. 34 bgs. 48 cks.
Chloral hydrate, 2 cs.
Colocynth, 22 bls.
Cream of tartar, 262 brls. 3 cks.
Dental goods, 464*l.*
Drugs, various, 71 pkgs. 156*l.*; herbs, dried, 12 bls.
Dyestuffs and tanning materials: cutch, 200 bxs.; myrabolans, 3,019 bgs.; 4,117 pockets; tanners' bark, 648 tons
Emulsion, 1,991*l.*
Ergot, 31 bgs.
Fullers' earth, 4 tons
Galls, 880*l.*
Guaiacol liquid, 2 cs.
Gums (cwt.): acacia, 120; karaya, 196; olibanum, 205; tragacanth, 760
Henbane, 21 bls.
Hexamine, 2 brls.
Hydrastin, pure, and hydchlor., 1 cs.
Hydroquinone, 2 cs.
Insect-flowers, 15 bls.
Liniment, 1,759*l.*
Lycopodium, 39 bgs.
Menthol, 70 cs.
Mineral white, 350*l.*
Musk, artificial, 1,040*l.*
Nuts and kernels (cwt.): arachis, 1,498; copra, 6,400
Oils, essential, 181 cs. 60 drms.: camphor, white, 110*l.*; sandalwood, 280*l.*; wormseed, 240*l.*; synthetic, 11 drms. 1 cs.
Oils, fixed; arachis, 1,500 cs. 72 cks.; fish, 600 cs.; herring, 1,500 cs.; palm, 52 cks.; rape, 500 cks.; shark, 1,000 cs.; soya, 250 cs.; turpentine, 298 brls.; wood, 1,200*l.*
Opium, 100 cs.
Perfumery, unrated, 322*l.*; toilet-powder, 375*l.*
Phenacetin, 22 cs.
Phenolphthalein, 3 cs.
Potash iodide, 15 cs.
Salicylic acid, 8 brls.
Sarsaparilla, 10 bls.
Seeds: anise, 20 bags; anise, star, 30 cs.; castor, 23,511 bgs.; dill, 688 bgs.; fennel, 250 bgs.; lin, 24,413 bgs.
Senna, 50 bls.
Soda caustic, 80 cwt.
Soda salicylate, 5 cwt.
Sponge, 27 bls.
Starches (cwt.): 7,608; farina, 2,300; potato-flour, 4,962; rice, 1,000
Tartaric acid, 250 brls.
Talc, 190*l.*
Tallow, 5,764 cwt.
Thorium nit., 607*l.*; cerium nit., 6*l.*
Vanillin, 2 cs.
Wax, not described, 35 brls. 3 bgs. 5 cs. 53 sks. 57 pkgs.
Wax, paraffin, 10,512 cwt.

To Liverpool
(December 10 to 15).
Acetic acid, 116 brls.
Argol, 486 bgs.
Bromides: ammon., 40 cs.; potash, 100 cs.; soda, 40 cs.
Cream of tartar, 10 cs. 86 cks. 20 brls. 10 kgs.
Dental goods, 194*l.*
Drugs, unrated, 167 pkgs. 4 cs. 132 bls.
Dyestuffs unrated, 147 pkgs. 30 brls.; chestnut ext., 777 cks.; dyewood ext., 25 brls.; indigo, 12 cs.; logwood ext., 164 cks.; myrabolans, 4,457 bgs.; quebracho ext., 11,780 bgs.; quebracho blocks, 104 no.; tanning ext., 31,926 bgs.; wattle-bark, 500 bgs.
Gelatin, 134 pkgs.
Gums: chicle, 5 bgs.; damar, 100 cs. 848 bgs.; kauri, 260 bgs.
Kola, 30 bgs.
Nuts and kernels (bgs.): arachis, 5,174; copra, 2,863; palm-kernels, 20,426
Oils, essential, unrated, 74 drms. 1 cs.
Oils, fixed: coconut, 57 brls.; palm, 1,565 cks.; sperm, 82 brls.
Opium, 114 cs.
Phosphorus, white, 700 cs.
Potash carb., 9 brls.
Rennet ext., 5 kgs.
Resin, 44 cks. 800 brls.
Salicylic acid, 40 cs. 2 brls.
Seeds (bgs.): coriander, 647; cotton, 4,566 and 1,000 tons; dill, 200; lin, 21,845; sunflower, 278
Soapstone, 3,820 bgs.
Soda chlorate, 1,000 drms.
Soda hyposulphite, 445 kgs. 322 brls.
Soda phosphate, 45 brls.
Soda salicylate, 14 cs. 16 kgs.
Starches (bgs.): 6,880; farina, 430
Turpentine, 100 brls. and 300*l.*
Vanilla, 5 cs.
Wax, bees', 150 ballots
Wax, mineral, 63 dms.
Wax, paraffin, 603 brls.
Zinc oxide, 1,200 brls.

COCONUT-SHELLS are suggested as a substitute for tea. They have been so used for some years on the West Coast of Ireland, and have at least the merit of cheapness.

PHARMACEUTICAL PRODUCTS IN CUBA.—A Presidential Decree was issued on September 8, suspending, for a further period of two years, the regulations issued by the Cuban Public Health Department in regard to the sale of foreign pharmaceutical products in the Republic. The regulations were to have come into force on September 10, 1915, a date subsequently altered to September 10, 1917. The regulations are being studied with a view to amendment.

Correspondence

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Profits on Proprietaries.

SIR,—In my last letter to you (*C. & D.*, December 8, p. 51) I suggested that some of your correspondents should publish a brief abstract of their accounts showing exactly, or even approximately, their net profits, so that we might form some idea as to whether the business in proprietaries is paying its fair share of the expenses. No one has responded to my invitation, but I am indebted to the *C. & D.* for two fairly complete statements for the year 1916, which will help to throw some light on the subject. If these statements had contained the estimated proportion of the returns that represent proprietaries, they would have been quite complete. The two pharmacies are operated under entirely different conditions, No. 1 being a very good-class business in a provincial city, and No. 2 an ordinary pharmacy in a London suburb. Both have strong opposition from the "store" chemist, and the owner of No. 1 makes it his boast that no one is going to undersell him, hence what appears to be the smallness of the gross profits. In neither case is the owner's salary included, and as No. 2 makes it a rule to take 3*l.* per week out of the business, it is clear that he did not make much headway in 1916, a sum of 12*l.* representing what he had to add to his capital. It must be remembered, of course, that interest on capital and depreciation were allowed for under "expenses." Some people may object to this, but it answers our purpose so long as we know what is being done.

No. 1.

Number of customers in 1916 72,800
Average time spent on each ... ... 8 minutes

	£	Average per Customer s. d.	Percentage
Total drawings	5,761	1 7	—
Cost of goods	4,243	1 2	—
Gross profit	1,518	0 5	26.3
Expenses	805	0 2.67	14.0
Net profit	713	0 1.83	12.3

No. 2.

Number of customers in 1916 28,700
Average time spent on each ... ... 12.9 minutes

	£	Average per Customer s. d.	Percentage
Total drawings	1,525	0 12.75	—
Cost of goods	1,046	0 8.75	—
Gross profit	479	0 4	31.3
Expenses	311	0 2.6	20.3
Net profit	168	0 1.4	11.0

I think that these pictures tell their own story. That two pharmacists should be compelled to devote their lives to serving the public at a net profit of less than 2*d.* a time in the one case and less than 1½*d.* in the other is really a sad state of affairs. Why! the boy who sells the papers in the street makes double the net profit that chemists do, and yet we have writers like Mr. Wolff and Mr. Crewdson wanting, if their special pleading means anything, to still further cut down our profits. No one objects to foods being sold at 20 per cent. on cost; these pay very well, though I recall the times not so far away when Hard's, Neaves', S. & M., Nestlé, etc., all allowed 50 per cent. But that toilet-articles, pills, ointments, and such like should be handed out to customers at less than cost is one of the things that only a pharmacist, with his ingrained ideas of the penny-packet business would ever submit to. I observe that Mr. Crewdson questions whether advertising can sell an article three or four times its commercial value, from which I gather that Mr. Crewdson is not in the retail business. Has he never heard of the Dearborn specialities, which are at present amongst the most expensive and also the most successful in the trade? There is an enormous sale for them, and what can be done by one firm can be done by others. I contend that if Mr. Crewdson put alongside a Dearborn article a similar speciality of his own at half the price, the public would reject his in nine cases out of ten. Everyone now is agreed that face-value prices should be the rule; can we not also agree that a definite profit, better than the present P.A.T.A. minimum, should also be insisted on, such a profit, for example, as 33⅓ per cent. on cost, or 25 per cent. on sale price, as the majority seem to favour—in other words, 3*d.* in every shilling of sales? Mr. Saunders' powerful letter deserves every support, and I hope that the local Associations will rise to the occasion and get something effective accomplished while the present flood-tide of interest is in full flow.

Yours truly,
MACJ. (91/87.)

SIR,—Like most chemists, I am interested in the discussion of proprietary profits. I would beg to submit a scheme for the consideration of the progressive element among us to adopt or modify. Let wholesalers and retailers unite in fixing face-value only for every article they handle; let us not be extravagant in demanding a profit so large that the impost kill the trade. I suggest that the maker invoice his goods at face-value to the wholesaler, off which he gives a discount of 30 per cent., and that the wholesaler again charge the retailer face-value, and gives him a discount of 20 per cent. Lower profits than these neither pay the wholesaler nor retailer, no matter what each may think or do. Such a scheme set agoing to handle no article that gives less profit than 10 per cent. and 20 per cent. From the divided condition of both sections there would be many who would not enter the arrangement. By all means let them remain out; patience and meditation would assuredly cure their disease. They would realise sooner or later that man cannot live on work alone—he requires bread and butter—and that unnecessary philanthropy is a crime against himself.

Yours truly,
SCOTCH CHEMIST. (11/12.)

SIR,—Being greatly interested in this subject, I am writing to ask Mr. Hugo Wolff if he will give us some figures to confirm his 5-per-cent. establishment-charges on the sale of proprietaries and his methods of arriving at this figure. From an analysis of my own and other businesses I find the average time taken to serve each customer varies from seven minutes in some businesses to eleven minutes in others. This includes the intervals between customers, and is allowing ten hours per day for those persons actually serving. Taking the lower figure of seven minutes—a low average—does Mr. Wolff saddle the sale of each proprietary with its fair average of seven minutes, or does he take into account only the half-minute necessary to hand the article over the counter? In the absence of some confirmation of his figure Mr. Wolff will pardon me if I feel somewhat sceptical about that 5-per-cent. establishment-charge even when employing cheap girl labour, which he suggests we must do. Meantime, I must thank Mr. J. J. Jackson for the manner in which he is tackling this most serious of all problems for the chemist.—I am, yours, etc.,
INQUISITIVE. (215/17.)

SIR,—It is with mingled amusement and amazement that one reads the correspondence on the above topic. How comes it about that pharmacists, seemingly alone, are so far from alive to the most patent of all facts in this connection—the fact, I mean, of the close association of "patents" with what is called humbug? The general public (apart from the pharmacists, who are a part of it), know all about it. For example, I take the following gibe from this week's "Punch":

If the Paper Shortage Increases.
(Some Future Press Items.)

. . . The attention of the public is further called to . . . the need of not wasting advertisement pages, which contain much readable and stimulating matter, the patent-medicine paragraphs especially being rich in the finest imaginative fiction.

Does anybody really suppose that lasting profit (in the money sense) can accrue to a semi-professional calling like pharmacy, whose only attitude in this matter appears to be, How much per cent. do we make out of this traffic? Is it by voicing the accents of twopenny grocers in back streets that some of our voluble members hope to benefit our common calling? Is it by thinking in pennyworths that the future of pharmacy is to be made splendid? *Au contraire*, there is nothing more certain than this, that our only hope of bigger emoluments is to have nothing whatever to do with (at least) the less reputable of proprietaries. By all means let the grocers have them, lock, stock, and barrel, if they wish. Imagine the moral effect upon the British public if pharmacists in this unqualified manner expressed their sense of the moonshine (or worse) of the proprietary-medicine

trade! The doctors would back us, and would lend us what we haven't got—strong political influence. A strong, a daring, policy is wanted—and a strong and daring leader.

Yours truly,

VIGIL. (219/49.)

SIR,—Since I wrote my last letter to you I am much impressed by a statement in the public Press signed by a grocer in excellent repute. He complains that grocers are not getting fair play because he is compelled to sell tea at 2*s.* 4*d.*, cheese at 1*s.* 4*d.*, and oatmeal at 4*d.*, while these articles cost him respectively 2*s.* 5*d.*, 1*s.* 4½*d.*, and 4½*d.* He goes on to point out that the grocer's pre-war profit averaged 15 per cent. on the sales, and of this the grocer gets 3 or 3½ per cent. to himself, the rest—namely, 11½ or 12 per cent.—going in expenses. Even Lord Rhondda in some cases allows a (nominal) 12 per cent. If, therefore, a grocer, with a stock of which five-sixths is turned over every fortnight or so, and which, owing to the public demand for the necessaries of life, is in many cases sold before he pays for it, regards 11½ or 12 per cent. as a fair sum for his expenses, it is not unreasonable to put down 12½ per cent. as the share of our expenses devoted to proprietaries. The only comment I have heard privately is that 12½ per cent. is too low. What is Mr. Wolff's opinion? It is most important that we should come to some agreed figure on this crucial point, and then we can discuss on common ground.

Yours truly,

LONDONER. (60/73.)

SIR,—To me Mr. Jackson's views seem far too lofty to be seen in their true perspective by the less professional minded but otherwise brainy shopmen of Mr. Wolff's type. A skilled mathematician, if given a doubtful problem, *plus* a fraction of truth, to solve, can by juggling with figures almost prove that "which is absurd." I do not think for a moment that Mr. Wolff, in the actuarial arguments which he so ably wields in defence of the keenest opponents that professional pharmacy has ever known, is incorrect in the letter, but I take it that Mr. Jackson is dealing with the spirit or principle of this vital matter. The subject is worthy of being fully considered in the broad manner which Mr. Jackson urges, and should not be allowed to end in smoke, as it surely will do if Mr. Wolff's line of argument be followed.

Yours truly,

WHISKERS. (207/69.)

SIR,—After reading carefully all that has been written on the matter, I see no reason for altering the sentiments I gave expression to in my previous letter. Nearly everything that could be said against P.A.T.A. retail prices has been said. I have gone through a hundred items in the P.A.T.A. "Year Book." The hundred items yield 20 per cent. profit, and 20 per cent. on 1,000*l.* is 200*l.* Not bad pay for handing out light goods which compose but one line in a "commercial" chemist's shop. I take no account of the beautiful and attractive advertisements which come to brighten the shop and save outlay on the purchase of paper.

Yours truly,

J. F. G. (220/42.)

Price Changes.

SIR,—May I trespass on your valuable space to call attention to a matter of considerable interest to our craft, and, indeed, to all connected with retail business? Owing to various causes certain proprietary lines are from time to time advanced in price to the public, and in some cases the advance is notified to the public through the Press, but owing to the paper restrictions makers are in certain cases supplying the goods to the retailer in the old wrappers, showing the old price. It is obvious that this places the onus on the retailer of explaining what would appear at first sight to the public as an attempt on his part to take advantage of the present all-round advance in prices to extort a profit to which he is not justly entitled, and consequently places him in a very invidious position. Owing to his general good reputation the retailer may, and probably will, succeed in convincing his customers in nine cases out of ten that he is acting honestly towards them, but it is precisely that tenth case which matters, as ill report always spreads quicker than good; but, however that may be, the fact remains that retailers should not be placed in such an unfair position at all. In view of the many charges of profiteering being brought against retailers at the present time, often, as in this case, without the slightest foundation, it behoves them to take every means possible to combat any impression of the sort. Particularly is this so when we are informed that owing to the continuous rise in the cost of everything a grave feeling of unrest is developing among the masses, who naturally resent any attempt to exploit them. Only the other day a working man came into my pharmacy and asked for one of the proprietaries in question, and despite an explanation on our part, said, "You're out to rob the working man; you'll find out your mistake after the war," with which parting shot he departed in high dudgeon. If every retailer will call the attention of the makers to the matter, and also request his local Association to do so, I have no doubt the grievance will soon be remedied, the good will of the retailers being of commercial value to manufacturers.

Yours faithfully,

MONTAGUE C. ROCK,

Hon. Secretary Berkshire Chemists' Association.

December 17.

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

"C. & D." on Active Service.

"It is with the greatest of pleasure that I renew my subscription for another year. Your journal is useful and helpful even on active service, and its arrival is eagerly awaited. Wishing you every success."—(164/19).

Warning.

Wardley & Clarke, Tonbridge, write: "The other night a man in khaki, apparently well educated, came into the shop and examined a water-bed, which he agreed to purchase for 10*l.* 10*s.*, stating that it was wanted for a case of locomotor ataxy. He paid for it with a cheque for 16*l.* 4*s.*, taking the change in cash. The bed was to be fetched next morning. It was not fetched, and the cheque was returned from the bank marked 'No account; stolen cheque.' We write to warn chemists, so that should the man try a similar trick elsewhere the police may be immediately communicated with."

The Chemist and Druggist Diary.

"*Diary* for 1918 to hand. The paper allowed has been put to an extremely good use."—*H. J. M.* (236/14).

"We have received the *C. & D. Diary*, and while we, of course, regret its attenuated form, we think the amount of information you have been able to embrace in the small space at your disposal is simply wonderful, and it is just the information which is required by your readers throughout the year. We sincerely trust that the necessity for the smaller size of the *Diary* may have passed away before the time for another issue arrives."—*H. E. S. & Co.*

The *Diary* this year, shorn of cargo,
Results from that paper embargo,
But the Editor's brain,
Quite equalled the strain,
He's produced one, a "Multum in Parvo."

The drug-trade is no El dor a do.
To help this book, does so far go.
You inquire within,
To find any rare thing,
And dispel what I call "Camouflago."

W. Maskew.

Lubricants for Metal-turning.

Mr. Jas. J. Kerr, Clones, co. Monaghan, writes in regard to a recent request for information as to the lubricants employed in metal-turning: "Cast iron, brass, and gunmetal are turned dry; cast steel with oil and turpentine mixed; aluminium with turpentine or benzine; mild steel and wrought iron with soapy water. Soapy water is made by dissolving soft soap 4½ oz. in hot water ½ gal., adding boiled oil ⅓ pint, and allowing to cool. Then add lysol 2 oz., and the liquid is ready for use." He adds, "I had a lot of trouble with this lubricant rusting my lathe before I tried adding the lysol, which prevents rusting."

"German" Justice.

"According to Professor Kohler, Professor of Law at the University of Berlin, the Pope ought to have made it his business to judge the war according to 'justice,' as he (the Pope) must inevitably have arrived at the decision that Germany is fighting a defensive war."—*The Times.*

That Germans are on their defence—
Have been, since the outbreak of war—
Is opined by a man of accredited sense,
A Berlin Professor of Law.

But he says it with obvious spleen,
It is pregnant with evident dolour;
How different he'd talk of "what might have been,"
Were his views unbeclouded by "choler."

A. E. W.

Legal Queries.

Most difficulties in trade law are explained in the legal section of "The Chemist and Druggist Diary," 1917, beginning on page 353.

Xero (215/29) refers to our reply to his inquiry which appeared in the *C. & D.*, November 24, p. 52. He states that his predecessor has paid for the goods in question and threatens to sue him for the price. Do we advise "Xero" to resist the claim? [As "Xero" appears to have accepted the goods, we are of opinion that he is liable to pay his predecessor for them.]

J. W. B. (215/35) asks what steps must be taken to recover a debt by legal procedure. [A writ in the High Court or a summons in the County Court must be issued by filling up certain forms and paying the prescribed fees. The writ or summons must then be served upon the defendant. The subsequent procedure depends upon the circumstances. "J. W. B." would probably be well advised to place the matter in the hands of a solicitor.]

L. O. (219/46).—COMPANIES REGISTERED since November 22 are by the Companies (Particulars as to Directors) Act required to give the same particulars of the directors of the company as though they were partners in a firm required to be registered under the Registration of Business Names Act. The requirements referred to are the publication of the names and, if not British-born, the nationality of origin of the directors in "all trade catalogues, trade circulars, showcards, and business letters." Labels used in the chemist's business are not included in the above.

Nunquam (213/46).—A man dies intestate and unmarried; to whom does his estate pass? His father predeceased him, but he is survived by his mother and brothers and sisters. [As regards personal property the mother, brothers, and sisters take in equal shares, the children of any deceased brother or sister taking the share their parent would have taken if alive. The rules of devolution in the case of real property are more complicated, and if the deceased left any property of this character it would be prudent to consult a solicitor. In the absence of special circumstances, however, the deceased's eldest brother would succeed to the real property.]

Fairplay (207/28) asks whether a registered druggist in Ireland is entitled to call himself "Chemist." [The Pharmacy Act (Ireland), 1875, Amendment Act, 1890, makes it unlawful for any person to use the title "chemist and druggist" in any part of Ireland unless such person shall be registered as a chemist and druggist. The register of chemists and druggists in Ireland is a small one, and consists of those practising at the passing of the Pharmacy Act (Ireland), 1875, and those in business before the passing of the Amendment Act, 1890. Those registered since under the latter Act receive only the title "registered druggist."] "Fairplay" further asks whether he should "notify his clients in the local Press" about this matter. Upon this we can express no definite opinion without fuller particulars of the case in view, but as a rule it pays best to concentrate one's efforts on one's own business and leave to the Pharmaceutical Society the duty of correcting what you evidently believe to be a misstatement on the part of your neighbour.

R. J. E. (216/64) has an income from trade or business, and also from investments, which, he says, is less than the abatement figure, and he has therefore got exemption from the income-tax assessed on him under Schedule D. Tax at 5*s.* in the pound being deducted in the usual way from the income payable to him from his investments, he has applied to have this refunded to him, but the income-tax authorities refuse to repay it, and tell him he is not entitled to it; and on another application they write to offer him half what he claims. He wishes to know what is his position and what he ought to do. [If "R. J. E.'s" total income from all sources does not exceed 130*l.* a year, he is entitled to exemption from income-tax; and if the tax has been deducted from his dividends before they are paid over to him, he is entitled to have the tax repaid on sending in a form of claim properly filled up to the local Surveyor of Taxes. We do not understand the action of the authorities, but we think it possible that "R. J. E." is mistaken in saying that his income from all sources as calculated for tax purposes does not exceed 130*l.* In calculating one's income from investments the dividend *plus* the income-tax deducted has to be taken—not the net dividend received. The mistake may come in because of that. In any case, the allowance of half the claim cannot be right, as the lowest rate on unearned income is 3*s.* in the pound. We advise "R. J. E." to call and see the local Surveyor of Taxes.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

J. E. L. (207/27).—KAOLIN POULTICE.—The following is from "Pharmaceutical Formulas"; it is the formula for *Cataplasma Kaolini, U.S.P. VIII.*:

Kaolin, in No. 80 powder ...	577 grms.
Boric acid, in very fine powder	45 grms.
Thymol	0.5 grm.
Methyl salicylate	2 grms.
Oil of peppermint	0.5 grm.
Glycerin	375 grms.

Heat the kaolin for an hour at 100° C., occasionally stirring, add the boric acid, then the glycerin, incorporating thoroughly; dissolve the thymol in the methyl salicylate and peppermint oil, and add to the mass. Keep in air-tight containers.

The kaolin for this ready-made poultice should be bolted china clay; the glycerin should be heated to 100° C. before adding it, and the mixture maintained at that temperature for an hour at least, then stirred until cool, and the antiseptics added.

C. F. & Co. (214/21).—MANUFACTURE OF MARGARINE.—According to Mr. W. Clayton, who read a paper in November on modern margarine technology before the Liverpool Section of the Society of Chemical Industry, milk is used in margarine-manufacture for two primary reasons—viz., as a basis for flavouring development and as an emulsifying agent. Only milk of a high hygienic standard should be employed, either fresh-skimmed or separated. It is an ideal medium for micro-organisms, containing, as it does, the essentials of life in a readily assimilable form. The micro-organisms present in milk are lactic and butyric bacilli, various yeasts and moulds, and pathogenic organisms. For the destruction of the undesirable bacteria, especially of the pathogenic type, the milk is pasteurised by heating to 82° C. for a few minutes. Lactic fermentation gives the milk a pleasant acid taste and aroma, due to the production of lactic acid, among other products, but the true flavour of butter is lacking. Much research has yet to be done before margarine can be made having a distinct and recognisable odour and taste like butter. Some manufacturers add flavours of various kinds when blending the final margarine, but this is only a temporary expedient. The true flavour will be obtained when the requisite bacterial action on either milk or fat is discovered. Mr. Clayton foresees a time when milk as a flavouring basis will not be required. Research should be directed somewhat along the lines of Mège-Mouriès' ideas, towards a pre-digestion of the fats to butter-fat, or else to a selective bacterial action on both animal and vegetable fats. Water and an emulsifying agent could then replace milk. Mr. Clayton states that his experience leads him to a quite optimistic view of probable progress in this direction.

Almosute (187/15).—(1) Fumigation with sulphur or formaldehyde would probably be effective in preventing the growth of mould in the damp basement. (2) Stonework stained by vegetable matter is best cleaned by means of caustic-soda solution.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Dec 14, 1867.

The "Chemist and Druggist" for 1868.

Mindful of the proverb which assures us that there is safety in the multitude of counsellors, we have solicited our readers for suggestions respecting the future conduct of this Journal; and the issue of our request is a collection of conflicting counsels, plainly showing that there is no "common measure" of the tastes, opinions, and desires of those whom we address. . . . Many of our best supporters are at once scientific pharmaceutists, enterprising tradesmen, and persistent advertisers; but we know that the only safe course which we can adopt is that based upon the knowledge that our constituency is a three-cornered one. Most of the letters we have received advise us to extend the commercial departments of the Journal; and we are forced to admit, with some reluctance, that this advice is more sound than that which is dictated by the love of pure science.

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Injection; also Pills for Cachets.

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(Sodium Mercuro-phenyl Disulphonate). Antiseptic Antisyphilitic, of low Toxicity.
Tablets for solution; Soap, Ampoules, Pills, etc.

IODARGOL.
Electro-Chemical Colloidal Iodine in various forms.
Specially successful as an Injection in Gonorrhœa. Painless.

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Specific for Pneumococcal Disease Simple, Infective, or Broncho-Pneumonia, TUBERCULOSIS. By the mouth or Injection.

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Iodine in its most reliable and palatable form.
Perfectly assimilable Has 38 times the activity of Potassium Iodide. Always well tolerated.

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A Quinine Salt of Hectine. Prophylactive and Curative for Hay Fever, Rhinitis, Influenza. In Tablets.

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A fine Mercurial Cream.
Contains 10 per cent. Metallic Mercury.
A non-greasy preparation, entirely and quickly absorbed.

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A perfect Cocaine substitute of low toxicity.
Reliable and safe.
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for Constipation. A combination of pancreatic, biliary, and intestinal secretions. A normal regulator of the intestinal functions. Tablets.

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Composed of pure alkaline Persulphates in Tablet form. Perfectly stable. A most energetic tonic and digestive stimulant.

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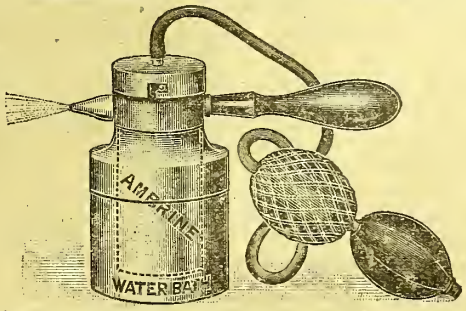

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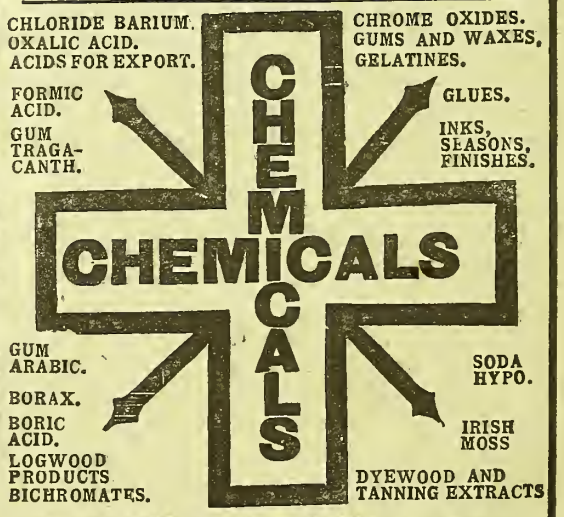

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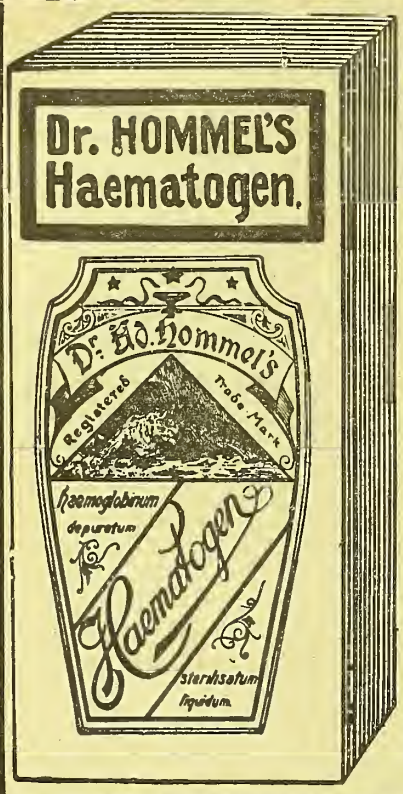

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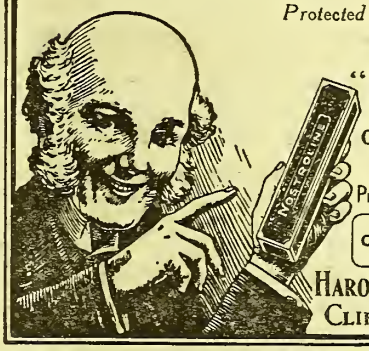

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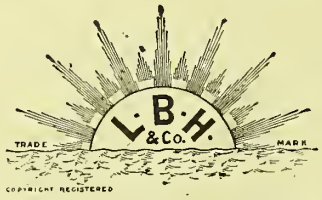

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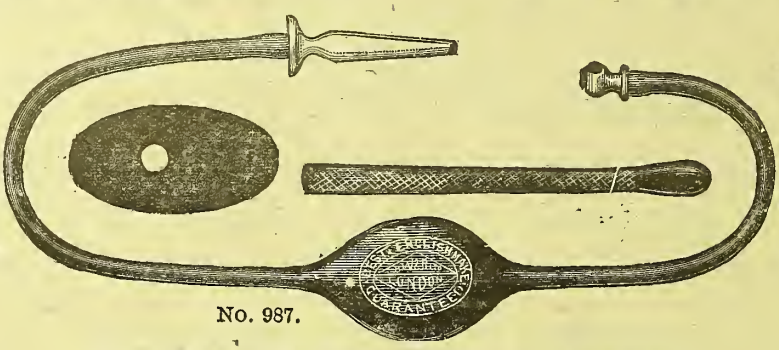

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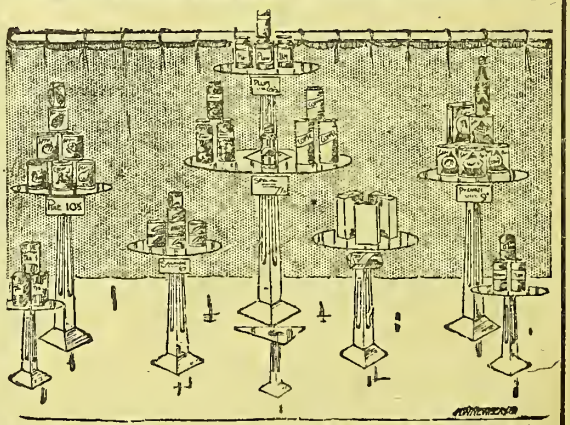

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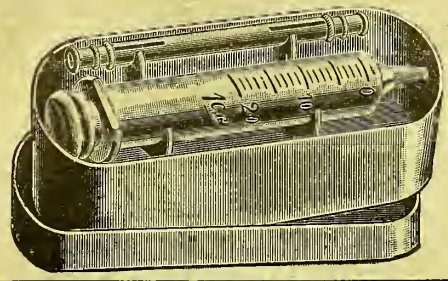

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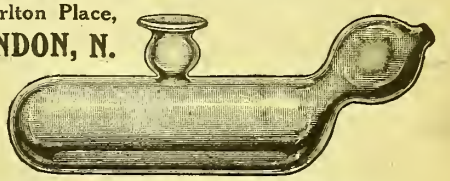

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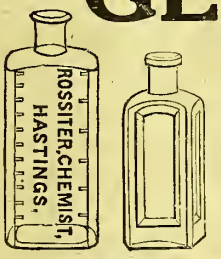

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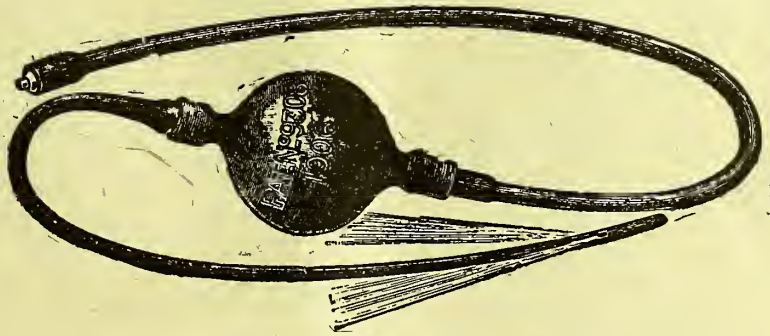
Price 3/6
Less Professional Discount.



Eng. Patent No. 9308. 1906.
Patented at Home and Abroad.

CHIEF POINTS OF VANTAGE:

(1) Simplicity and comparative comfort in use.
(2) Ease of complete sterilisation.
(3) Absence of hard material in construction.
(4) Remarkable absence of distress in use.
(5) Quickness in controlling discharge.
(6) Unlimited quantity of irrigating fluid.

COMPRESSED INJECTION TABLETS, SPECIALLY MANUFACTURED for use with the "NEW CENTURY" URETHRAL SYRINGE.

Each tablet makes half a pint of non-irritating injection.
Glass Tubes, containing 12 tablets, price 6d. each tube.

"DETERGOL" *BRITISH MADE WITH BRITISH MATERIAL.*

AN IDEAL ANTISEPTIC DEODORANT DISINFECTANT.

Contains 20% more Cresol than any other similar preparation.

Superior to any German Preparation.

Surgical Instruments can be safely sterilised and disinfected in a few seconds without danger of corroding by using "Detergol."

USED BY THE MEDICAL PROFESSION FOR FOURTEEN YEARS.

TABLETS, PILLS, etc., and
CHEMICAL and MEDICINAL PREPARATIONS of all descriptions

MANUFACTURED BY

HOUGH, HOSEASON & CO. LTD.

Wholesale Manufacturing Chemists ***MANCHESTER.***

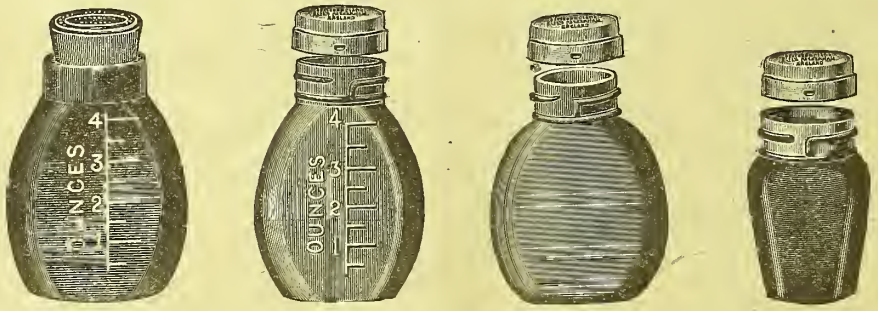
Contractors to H.M. Government.

POCKET SPITTING FLASKS

FOR USE IN

PREVENTING THE SPREAD OF TUBERCULOSIS, &c.

MADE IN DARK BLUE GLASS.

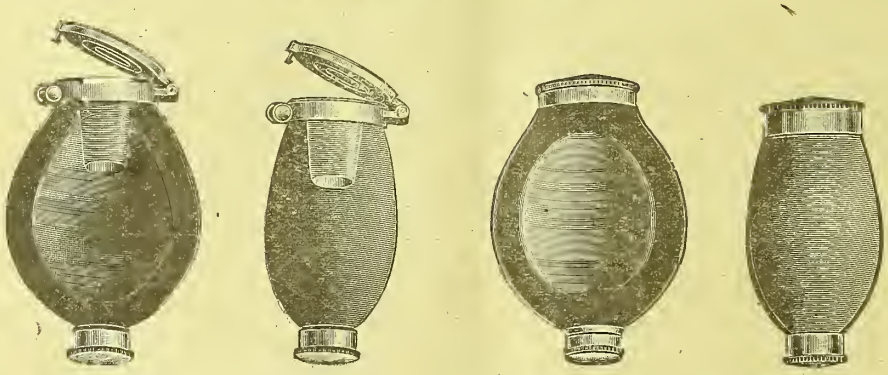


No. 1. Fitted with SOLID NON-ABSORBENT RUBBER PLUG.

No. 2. No. 3. No. 4.

Fitted with SUPER-NICKELLED BAYONET SCREW CAP.

DOUBLE-ENDED



No. 1 D/E. No. 2 D/E.

Fitted with NICKELLED SPRING-LID FUNNEL TOP & SCREW CAP BOTTOM.

No. 3 D/E. No. 4 D/E.

Fitted with METAL SCREW CAPS.

Illustrations one-third actual size

PRICES AND FULL PARTICULARS ON APPLICATION.

BEATSON, CLARK & CO., LTD.,

Medical Glass Manufacturers - - - **ROTHERHAM.**

This is the "Ronoleke" Hot Water Bottle

(The Bottle with the Patent Unleakable Moulded Neck)

These are the Profits

SIZE	WHOLESALE	RETAIL
6 × 8	3/7	5/4
6 × 10	3/11	5/10
6 × 12	4/2	6/4
7 × 10	4/1	6/2
7 × 12	4/8	7/-
8 × 10	4/5	6/8
8 × 12	5/-	7/6
8 × 14	5/5	8/4
9 × 12	5/4	8/-
10 × 12	5/8	8/6
10 × 14	6/5	9/8
10 × 16	6/10	10/4
12 × 16	7/4	11/8

Sold on a one-price-to-all basis, your profits are fully protected (on P.A.T.A. List). We will shortly commence advertising the "Ronoleke" Hot Water Bottle in the popular weeklies. We want you to share in the profitable demand this advertising will create. In case of difficulty send us the address of your Wholesale house, and we will see that you are supplied through them.

Campbell, Achnach & Co
Limited
(Sole Manufacturers)
59 Wallace Street
S.S., Glasgow

TEATS. We make a specialty of these. Your inquiry will receive prompt attention.

May, Roberts' Traveller.

No. 4023 CITY. DECEMBER 29, 1917. LONDON & DUBLIN.

We wish all our friends

HEALTH & PROSPERITY

and that

1918

may be the first of a New Era

of

SECURITY & PEACE

for us all.

MAY, ROBERTS & CO., Ltd.

7 to 13 CLERKENWELL RD., LONDON, E.C. 1.
And at 16 Westmoreland Street, DUBLIN.

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, DECEMBER 29, 1917

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., MUST BE PREPAID (except in the case of serial advertisers), and to ensure prompt insertion

REMITTANCES MUST ACCOMPANY INSTRUCTIONS.

Advertisements for the current issue cannot be received after first post on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

PROVIDED the MONEY is TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C.4. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus, Cannon, London." (Three words counted as two.)

May Xmas bring Comfort

to all in the Trade—Employer and Assistant alike—and the

NEW YEAR AN ENDURING PEACE

Meanwhile carry on as usual with the help of the

CHEMIST AND DRUGGIST AND THE SUPPLEMENT.

XMAS 1917 — THE CHEMIST AND DRUGGIST 42 Cannon Street, London, E.C. 4. — NEW YEAR 1918

Keep a close watch

on your stock, your outlays and your takings. There is more need than ever before for periodical valuation & stocktaking at regular intervals to ensure

Profit & Prosperity.

WE CAN HELP YOU.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BERDOE & FISH

VALUERS & TRANSFER AGENTS,

35 Jewry Street, Fenchurch Street, E.C.3.

Telephone: 1809 Central.

NO CHARGE TO PURCHASERS.

1.—SOUTH COAST.—First-class Retail and Dispensing Business, with scope for large increase; commanding position; low rent; elegant fittings and good stock; owner retiring through old age; valuation only required; all over £450 can remain.

2.—KENT (Suburb).—Good progressive Middle-class Business; no booking; returns £1,850; *net profit* £450; books properly kept; convenient house; handsome Pharmacy, heavily stocked; price £50 and valuation; about £1,000; strongly recommended.

3.—NORTH WALES COAST.—Unopposed, sound Light Retail, returning £700; *net profit* £250; up-to-date Pharmacy, well-fitted and stocked; price £300 or valuation.

4.—LEICESTERSHIRE.—Sound Cash Drug Store in small town; returns average £630; *net profit* £200; good house and Pharmacy, well stocked; plenty of scope in qualified hands; price £300 or valuation.

5.—WEST END.—High-class Dispensing business in prominent position; returns average over £2,000; *net profit* £620; excellent chance for two smart men; price for quick sale £950, or small goodwill and valuation.

6.—NORTH LONDON (Healthy Suburb).—Sound progressive Cash Business for immediate disposal through serious illness; returns £1,150; *net profit fully* £300; fine modern Pharmacy; excellent main road position; low rent; price £750 or offer.

7.—LONDON (Distant Suburb).—Good middle-class Cash Retail; chiefly Prescribing; returns £14 weekly, increasing; *net profit about* £300; very low rent; fully stocked; price £475 or valuation; £200 cash; balance by instalments; trial allowed.

STOCKTAKINGS.

Appointments for stocktakings and valuations should be made early, as we have only a few vacant dates open during the next three months Full particulars and terms sent on application.

Ex Prize Court, and various Steamers

MESSRS.

TOPLIS & HARDING

Beg to announce that their next sale of

Drugs, Chemicals, Dyes,

&c.

will take place EARLY in JANUARY,

At the LONDON COMMERCIAL SALE ROOMS,

and will include the following:—

COD LIVER OIL, OLIVE OIL,
LIQUID PARAFFIN, PULV. IODOFORM,
MENTHOL, C. S. TRAGASOL,
GUM TRAGON (Powder),
WHITE MAIZE DEXTRINE,
NORWEGIAN COD LIVER OIL,
ESSENCE OF SPICES,
ANHYDROUS LANOLINE,
POWDERED GELATINE,
MINT TABLETS, LIQUID SOMATOSE,
ESSENCE OF MEDOC,

And a quantity of POSTCARDS, OLEOGRAPHS, PIANO KEYS, SHOVELS, SAIL CLOTHS, &c. &c.

Saleable Stocks of any description may be included in this sale if immediate notice be given to the Auctioneers, at their

Offices: JEWRY HOUSE, 27 & 28 OLD JEWRY, E.C.

Also at MANCHESTER.

Telephone: City 8217. Telegrams: "Toplis, London."

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

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CARLISLE.—For Sale as a going concern, in consequence of the death of the owner, Chemist and Sight-testing Optician's Business, along with the premises on which the same are carried on, comprising Shop, Dispensing and Sight-testing rooms, and dwelling-house attached; the business was established in the year 1846, and for the last 35 years has been successfully carried on by the late owner; a large portion of the purchase money of the premises will be allowed to remain on mortgage at 5%. Further particulars on application to J. S. Jackson, Solicitor, Carlisle.

COAST Town, Sussex Health Resort.—Ready-money Business in shopping thoroughfare; well fitted, modern window, heavily stocked; residence attached; owner called up; rent £55; net income £400; price £850; a war bargain. Apply 237/20, Office of this Paper.

LONDON, S.W.—Genuine Business for Sale in good residential locality; returns £1,900, increasing yearly; proprietor will manage for a time if necessary; about £500 required. Apply 237/17, Office of this Paper.

FOR Immediate Disposal.—First-class Pharmacy, North London; excellent possibilities for increased business; modern fittings; well stocked; splendid central position; low price for quick sale. Apply 238/29, Office of this Paper.

PATENT Treatment for Curing Rupture; fully protected; the last advertisement produced 250 per cent. net profit. Advertiser, who is leaving the country, is prepared to sell the whole business, including English Patents, as a going concern for £3,000. Business is capable of producing the purchase money during the first year. Full particulars to principals only. Apply "L." (215/18), Office of this Paper.

FOR SALE.

CERA FLAV., about 5 cwt.; 4 lb., 9*s.* 7*d.* delivered; Tabs about ½ oz., per ½ gross., 4*s.* 2*d.* delivered; cash with order. Levis, Chemist, Skibbereen. Sample, 2*d.* stamps.

TO LET.

SHOP to be Let; double-fronted; splendidly situated in shopping centre of main road, and fitted as a Chemist's; occupied by Chemist for nearly 50 years; good business just closed owing to illness; fixtures at valuation; rent £50 per annum, tenant paying rates and taxes. Apply Harry Hooper & Co., Surveyors and Valuers, Estate Offices, Millwall, 14.

BUSINESSES WANTED.

BUSINESS wanted; early possession; turnover above £1,300; state price, lease, rent, turnover, living accommodation, number of assistants, average number of N.H.I. prescriptions, and approximate values of stock and fittings. Reply to Spedding, 2 Parker Street, Levenshulme, Manchester.

BUSINESS wanted; Tyneside or County Durham. Please furnish full particulars, Hunter, 86 Hawarden Crescent, Sunderland.

AGENCIES.

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EGYPT.—French Representative established in Egypt since 1910, having wide experience and a first-class connection among Chemists and Druggists, is prepared to represent English Manufacturing Chemists and Druggists and makers of Pharmaceutical and Toilet Specialities; high-class references to English and French Houses for which agencies in force. Reply to P.O. Box 1505, Cairo, Egypt.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

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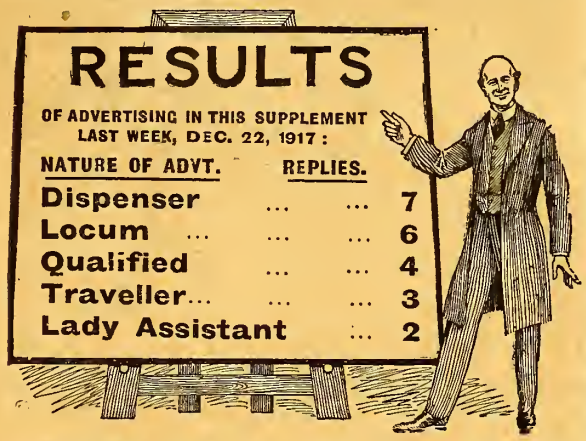

The above demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

RETAIL.

CAMBRIDGE.—Lady Assistant for Dispensing and Retail; must be reliable, experienced, quick, and accurate Dispenser; comfortable berth; outdoors; easy hours. Please give full particulars as to previous experience, and enclose photo if possible, G. Peck & Son, Pharmaceutical Chemists, Cambridge.

EASTBOURNE.—Wanted (at once), lady or gentleman Junior Assistant (outdoors) for high-class Dispensing business. State salary with usual particulars, enclosing carte, to H. R. Browne, Pharmaceutical Chemist, Eastbourne.

HULL.—Wanted, Assistant (outdoors); used to good-class Retail and Dispensing business. Send full particulars, age, reference, and salary required, S. T. Kirton, Chemist, 53 Savile Street, Hull.

KENT COUNTY ASYLUM, MAIDSTONE.—Temporary Dispenser required at the above Asylum; must be a Member of the Pharmaceutical Society and possess experience of the work of a large Institution; lady, or man ineligible for the Army; salary £2 6s. per week. Application should be made to the Medical Superintendent.

LEEDS.—Wanted, Assistant for Counter and General work; discharged or ineligible. Apply Rothstein, Pharmaceutical Chemist, 101 North Street, Leeds.

LONDON, N.W. 6.—Wanted, a capable Assistant (lady or gentleman) for high-class Dispensing and Retail business. Apply, with full particulars and salary required, to W. J. Dalby, 6 Canfield Gardens, N.W. 6.

LONDON, S.W.—Assistant wanted at once for high-class Dispensing. Full particulars to W. Hill, J. B. Barnes & Son, 205 Knightsbridge, S.W.

SOUTH OF ENGLAND; Assistant required (male or female); free removal; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

WEYBRIDGE.—A lady Assistant (qualified) required for high-class Dispensing and Retail Pharmacy. Send full particulars as to age, experience, and reference, also state salary required, E. T. Neathercoat, Pharmaceutical Chemist, Weybridge, Surrey.

ASSISTANT wanted early in January; ineligible or discharged; good salary. Full particulars of experience, references, and salary required to Messrs. W. Edes Everett, Ltd., St. Botolph's Pharmacy, Colchester.

ASSISTANT wanted, with good general knowledge; accurate Dispenser; outdoors; half-day Wednesdays. Apply Lloyd, 125 St. John's Hill, Clapham Junction, S.W.

BEETHAM & CLARK require experienced Assistant; no N.H.I. Dispensing. Please send usual details to 22 Promenade Villas, Cheltenham.

JANUARY 1st.—Qualified lady or elderly gentleman to take alternate duties (two shops); hours 8.30 to 7.30, Saturdays 9, half-day off weekly; Welsh-speaking an advantage; Light Dispensing and Retail; in- or out-doors; pleasant locality. Apply, with particulars, to Rogers Jones, Pharmacist, Llandudno Junction.

JUNIOR Assistant (lady or gentleman) wanted for good Dispensing and Retail business. W. Pickard, 3 West Kensington Terrace (opposite West Kensington Station), W. 14.

MANAGER, qualified, energetic, wanted to manage Branch on South Coast; good-class Dispensing and Photography. State salary required (outdoors), experience, and when disengaged, 233/8, Office of this Paper.

MANAGER, ineligible, qualified, for Richmond Hill Pharmacy. Apply personally, or write, Rex Blanchford, Chemist, 76 High Street, Wimbledon, S.W. 19. Telephone, Wimbledon 543.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitableness.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

RETURNING PHOTOS, Etc.

Advertisers in this section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

MANAGER (single), ineligible, wanted for Bungalow Pharmacy at Bulford Barracks; qualified preferred, but not essential; comfortable room provided; excellent opportunity for good Salesman; salary and commission. Apply R. S. Cheetham, Salisbury Plain Drug Stores, Tidworth, Hants.

MANAGER; qualified; reliable; live in; easy hours; no N.H.I. Full particulars to Spearing, Mynd House Pharmacy, Barton Street, Gloucester.

QUALIFIED lady Assistant required in first-class West-End Dispensing business as Second Dispenser and to make preparations; shop experience essential. Apply by letter, giving full particulars and stating salary (outdoors) required, to 233/17, Office of this Paper.

QUALIFIED Branch Manager wanted, with good experience of management and knowledge of Photography; must be ineligible for military service; references must bear the strictest investigation; good salary and commission to good man. Apply 233/9, Office of this Paper.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

SMART Counterman wanted (unqualified), with knowledge of Photography and Dispensing; must be ineligible for military service; good references essential. Please apply, with usual particulars and salary required, to 233/900, Office of this Paper.

VACANCY; suit elderly qualified gentleman seeking light duties and easy hours; permanency. Apply Revill, Church Street, Hornchurch.

WANTED after Christmas, a lady or junior Assistant; ineligible; outdoors. State fullest particulars, with photo if possible (others kept). Apply Oliver, Chemist, Maidstone.

WANTED, Dispensers; part and whole time. Loesby-Jones, Pharmacist, 4 Thayer Street, Manchester Square, W. 1.

WHOLESALE.

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BUYER required for the Patent Medicines, Perfumery, and Sweets departments; must be a man of experience and ability to handle departments with excellent opportunity for growth; in your reply give full details of business experience, where it has been, for how long and in what capacity, and salary required. Address Merchandise Manager, Lewis's, Ltd., Market Street, Manchester.

EXPERIENCED man wanted for Packing and Despatching heavy and fine Chemicals; used to keeping Stocks preferred, but not essential; ineligible for military duties; Eastern district of London; good wages and permanency. Apply 144/62, Office of this Paper.

FOREMAN.—Capable man, over age or ineligible for military service; superintend packing of Drugs and Chemicals, dispatch of goods; must be a quick, live man, not afraid of work. Apply Parke's Drug Stores, Ltd., 65 Harmood Street, N.W. 1.

REPRESENTATIVE wanted for Midland counties (ineligible); salary and commission. Also Representative for North-Eastern counties; character must bear thorough investigation. Apply by letter, giving full particulars H. J. Lee & Co., 40 Osborne Road, Levenshulme.

REQUIRED at once, an Invoice Clerk, with experience of Wholesale Drug Trade. Apply, with particulars of experience, and stating salary required, to Lofthouse & Saltmer, Ltd., Wholesale Druggists, Hull.

WELL-EDUCATED, competent man required by firm of Wholesale Perfumers to acquaint himself fully with the general routine of the office with a view of taking over control, including the superintendence of bookkeeping, shipping correspondence, etc.; knowledge of French; ineligible for Army; good general experience required. Apply, stating full particulars and salary required, to "Perfumery L." (220/50), Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

NAIROBI.—Qualified Assistant, free of military service; three years' engagement; salary £25 per month for the first year, £27 10s. for the second year, and £30 for the third year; good prospects. Apply "G. K." (219/10), Office of this Paper.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

[HOME.]

RETAIL.

AS Locum; permanency; good references; reasonable terms. Chemist, 23 Clarendon Road, W.

AS Manager or other responsible position; qualified; 20 years' experience; state salary. Apply 237/26, Office of this Paper.

DISENGAGED.—Gentleman, qualified, elderly, active, with town and provincial experience, open to appointment. Details and terms to "Pharmacist," 7 Avenue Road, Wallington, Surrey.

LADY Dispenser (Hall) desires post; London experience. Apply M. C., 29 Eleanor Street, Tonypandy, Glam.

MANAGER or Locum; Major; 47; experience all-round, Dispensing, Photography; business eleven years own account; disengaged. Walton Porter, Granville, Perry Park Road, Blackheath, Birmingham.

MANAGER or Locum; qualified; ineligible; good experience. Alpha, Barrett Street, Osney, Oxford.

MANAGER; qualified; 20 years' high-class experience; knowledge of cash trade, Photography. Apply 237/18, Office of this Paper

MANAGER; disengaged early January; exempt; tall, active; successful, obliging Salesman; business builder. "Veritas" (237/21), Office of this Paper.

MANAGER or Senior; 35; discharged Army; English and Colonial experience; London preferred. Apply 237/29, Office of this Paper.

PHARMACIST; experienced; could apportion half-time to management or supervision; S.W. district. "Overage" (235/2), Office of this Paper.

PRESCRIBING, Dispensing, Counter trade; business man just over military age; Minor student, managing large shop in London; abstainer (not a messer); splendid references. Apply 237/5, Office of this Paper.

QUALIFIED; 29; disengaged; experienced; reliable; ineligible. Trump, 12 Naunton Park Road, Cheltenham.

QUALIFIED; elderly; sound experience; terms moderate (London). Apply 233/26, Office of this Paper.

QUALIFIED, 29, disengaged immediately, Manager or Senior, wants situation at once. Apply "B.," 25 Plato Road, Acre Lane, Brixton, S.W.

RELIEF Thursdays; Minor qualification; male. Pharmacist, 9 Claverton Street, Victoria, S.W.

UNREGISTERED, competent all branches, 41 years; con. exemption, N.H.I. qualification, highest references, desires change. "Dispenser," 135 Queen Street, Newton Heath, Manchester.

UNQUALIFIED, 23, Grade III., eight years' experience Dispensing, Counter, and Photography, desires change; state salary offered; provincial. Apply 233/27, Office of this Paper.

WHOLESALE.

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WANTED, position in Wholesale House: unqualified; 10 years' Retail experience; Grade III. State salary offered, with prospects, 237/9, Office of this Paper.

MISCELLANEOUS.

ABOUT 70 gross 12-oz. Toilet Rolls; 108s. per gross net. Evans, Gadd & Co., Ltd., Exeter.

SHOP FITTINGS.—10 ft. second-hand Drug Fitting, complete with 50 gold-labelled drawers, lockers, shelving, and pilasters, £11 10s.; 8 ft. ditto to match, £10 10s.; plate-glass and mahogany Perfumery Showcase, mirror back and glass shelves, mahogany desk at back, 4 ft. long, £6 10s.; Silent Salesman, 6 ft. high by 2 ft. by 1 ft., with four plate-glass shelves, £9 10s. Hundreds of other bargains. PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C. 1.

WANTED, Square or Round Tin Boxes, new or second-hand, for powdered colours; size 1 lb. and upwards; good prices given; cash payment. Williams Bros. & Co., Hounslow.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

PAPER

White Demy, Yellow Wove, Brown, White and Coloured Tissues, Small Hands (Whitey-Brown), Seidlitz Blue, English Krafts and Browns. String, 8 oz. balls, 10/6 per dozen. Stout Parcel String, 16 oz. balls, 15/- per dozen. Samples on application, only if weight of ream is given or sample sent to match.

D. W. BULL,
4 Churchill Road, Homerton, E 9.

THERE IS MONEY

to be made in the Photographic Department of your business, but the Developing, &c., must be **WELL** and **QUICKLY** done. We are experts, and return all work promptly. We pay return postage on all orders of 2/- or over. Send for our list and give us a trial.

STEAD & CO., Photographic Experts, Duke St., BRIGHTON.

TEA SWEETENERS One equal to a teaspoonful of Sugar.
14/- per 1000—Sell at 4 for 1d.—50% profit.
Also in 6d. and 1/- boxes.

SACCHARINE TABLETS Guaranteed 50% of .330 Saccharine.
17/3 per 1000, 120/- per lb.
Only terms, Cash with Order, Carriage Paid.

A. S. PRICE & Co. Ltd., Blackheath, Birmingham.

Pills and Compressed Tablets

made from customers' own ingredients.
Or ingredients and making quoted for.
QUANTITIES ONLY.

DAMANCY & CO., HARROW.

Saccharin Tablets.

1 grain Tablet, containing ½ grain 330, 16/- per 1000. 10,000, 15/- per 1000. Cash with order. Carriage Paid.

DAMANCY & CO., HARROW.

8/6 3 Years 4 Columns

Jay Mack's Ledger

gives Yearly Sales, Purchases, Exes., with only 10 mins. work weekly; Easy Stocktaking explained; Form Pages show Balance Sheets and Income Tax Deductions; no previous Book-keeping experience needed.

10/6 4 Years 5 Columns

On approb. on receipt of cheque. 1/ Post Booking Fee deducted if returned.

Mack-Ivor, Hightown P.O., Crewe. | Ayrtons, Evans, Bleasdale, Ucal Raimes (Edinb.) | Australia: Ellicttts, C.D.A | S. Africa: Border Drug, Gardners.

DIABETES

CHELTINE FOODS CO., CHELTENHAM.
FLOUR, BISCUITS, BREAD, FOOD, Etc.
Highly Recommended by Medical Profession.
INFANTS' FOODS packed under Chemists' "OWN NAMES."
All particulars on request.

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Minor Experiences.

(Edinburgh.)

MINOR CANDIDATES who are up at Edinburgh for the first time cannot fail to be struck by the unromantic appearance of the back entrance to the Pharmaceutical Society's premises, especially if—as it was my fate on my second day—they have to wait a quarter of an hour, in a pouring rain, for the door to open. On the first day, after signing the book, I was drafted off to

CHEMISTRY (PRACTICAL) and given this paper: (1) Estimate the percentage of the given sample of $K_2Cr_2O_7$ by the B.P. method; analyse qualitatively the given salt. On asking the examiner for "hypo" for the volumetric work, he gave me some crystals on a paper, and I made my own N/10 solution. I found the percentage to be 73, but was told afterwards that my arithmetic would be checked. I had not much time left for the salt, but found a carbonate, zinc, and barium. I returned at two o'clock for

DISPENSING, and found the following paper:

Send about five suppos. acid. carbol. P.B.
Make ʒx. tinct. digitalis P.B.
Send a cantharides blister 3″ × 2″.

Pulv. ipecac.	gr. ½
Pulv. rhei	gr. ij.
Pulv. saponis	gr. lss.

Ft. pil. Mitte xij. Varnish.

Sodii salicyl.	gr. x.
Acid. hydrochl. dil.	♏ij.
Quin. sulph.	gr. ij.
Aq. ad	℥ss.

Ter in die. Mitte ʒvj.

The tincture I was told to make with water instead of spirit, and to macerate for half an hour only. I received high praise for the mixture, in which I got my suspension with mucil. tragac. Next day I received a notice by post summoning me to the oral portion in six days. I spent some instructive hours during this interval at the Royal Botanical Gardens Museum and in the materia medica section of the Royal Scottish Museum. Thirteen of us answered the roll-call on the eventful morning, and I went first to

PHARMACY.—I was handed a bottle containing lupulin. What is its source? What preparations of hops did I know of? Any in the B.P.? Was an extract of hop ever used? Was it aqueous or spirituous? I was shown antim. sulphurat. and asked to describe and explain its preparation. What other official antimony salt is there? What are the advantages of infusions over decoctions and *vice versa*? Which infusions are made cold, and why? What precautions would I take in retailing tinct. digitalis? Which coca preparations come under Part 1 of the poisons schedule? Enumerate the Cocaine (Defence of the Realm) Regulations in full.

PRESCRIPTION-READING.—I had first to make the calculation for a kilogram of ointment containing four ingredients, each with a different percentage, and then to translate an English prescription into full Latin. (Here I failed to remember the equivalent for "twice a week.") I next read off eight Latin prescriptions, one of which had atrociously written directions, into English, and spotted overdoses of tinct. bellad., tinct. nuc. vom., and acid. nit.-hyd. dil. Several doses were asked, and finally, "How many grains in a scruple?"

CHEMISTRY.—Several formulæ were asked—*e.g.*, iron pyrites and ferrous sulphide. What did I understand by a chemical formula? The Laws of Boyle, Charles, and Avogadro were brought up for exposition, and then came a series of questions on coal-gas, aniline, phenol, etc. This subject concluded with a glance at the carbohydrates.

MATERIA MEDICA.—I had to identify, among other specimens, the following: Matico, stramonium, digitalis, scammony-root, Turkish and Persian opium, and castoreum; I heard that one candidate "identified" the last-named as a dried fig! Definitions of an alkaloid and a glucoside followed, and questions on alkaloidal and other constituents of the specimens shown were numerous.

BOTANY was my last subject. Two microscopic slides were placed before me—a transverse section of a pinus stem, showing resin-passages, and one of an aquatic monocotyledonous stem. Several fresh and dried specimens were given me for recognition, and I was asked the natural orders of others. Then came placentation. What is a hesperidium? Whence is the word derived? Why do elm-flowers appear before its leaves? Questions on cell-contents and many other matters followed before I was finally released and, after another five minutes, called up for congratulation on a creditable pass.—*H. M. H.*

German News.

DENTAL RUBBER costs from 7*l.* to 9*l.* per lb. in Germany.

COMMANDEERED WEIGHTS.—All brass weights, excepting those used in pharmacies, are commandeered for army purposes.

TRAINING FOR WAR VICTIMS.—Free courses in microscopy and microphotography are to be provided for victims of the war who have to change their occupation.

BRITISH SHARES TRANSFERRED.—The Government has disposed of all the British shares in Scott & Bowne, Frankfurt A/M, to a pharmacist named Richard Szamatólski.

WAR-LOAN SUBSCRIPTION.—In the list of subscribers to the seventh German war loan are the Badische Anilin- und Soda-Fabrik and the Höchster Farbwerke; a total of twenty-six million marks is contributed by seven leading companies.

EXPORT OF CHEMICAL PUBLICATIONS PROHIBITED.—Under the Law of the State of Liege, 1851, the export of chemical and pharmaceutical periodicals and works of reference to Allied and neutral foreign countries has been forbidden by the Oberkommando.

AN OLD PHARMACY.—This year the "Schwarze Adler" Pharmacy in Bozen celebrates its 600th anniversary. This is one of the oldest pharmacies in Germany, and was for a long time the only pharmacy in the town. The founder and first owner was named Neuber, and had taken the academic degree of Master of Pharmacy at the old Spanish University of Salamanca.

NEW BOTANICAL MAGAZINE.—A new monthly periodical entitled "Heil- und Gewürzpflanzen," published in Munich, is devoted to the promotion of medicinal and other plant culture. Exhaustive details are given of the various needs of different plants, and among the subjects of interest to pharmacists dealt with are the activity of insect-powder and a disease of *Datura Stramonium*.

CENSUS OF INDUSTRIES.—A census has been taken of all industrial and trade establishments throughout the German Empire. The object of this census is stated to be the collection of statistical data considered necessary for the successful economic prosecution of the war, and to facilitate the transition of the German economic system from war to peace conditions.

THE DYE OUTLOOK.—Professor Duisberg has expressed the opinion that the German dye-industry has very hard times to face, and must enter on the struggle with the utmost possible speed after the conclusion of the war. Professor Duisberg estimates that the concerns manufacturing dyes in the Allied countries are now five times as numerous as the German concerns, and that their capital is three times as great. He also observed that numerous Allied munition-factories will be adapted to the production of dyes when peace comes.

POTASH-SUPPLIES.—An Order has been issued, empowering the Imperial Chancellor to control all trading in caustic potash and soda. The Potash Syndicate considers another increase in the price of potash urgently necessary: in announcing this fact, the "Deutsche Tageszeitung" remarks that it would be doubly regrettable from a national point of view if, on the conclusion of peace, the works had not sufficient stocks to deliver the necessary amounts of potash to foreign countries, as everything points to potash as one of the most important compensation media for Germany.

THE UBIQUITOUS STATE.—It is suggested in the "Leipziger Abendzeitung" that, in order to provide Germany with a new source of revenue after the war, the Government should receive a portion—say, a tenth—of the shares of all the larger joint-stock companies. It should be entitled by law to send one nominee of its own to the respective companies to represent the interests of the Government. In this way the companies will be prevented from entering into many doubtful and shady transactions, while on the other hand the Government will be training for itself a generation of officials free from the taint of bureaucracy.

DEARER AERATED WATERS.—The Union of Mineral Water Manufacturers in Central Germany has been compelled to increase further the price of aërated waters. The reasons given are as follows: Circumstances have become unendurable on account of the enormous increase in price of all articles needed by the manufacturers. Bottles have risen 100 per cent., also wages and coals, while the work done is less; gum for labels 200 per cent.; crown-corks and substitute corks for rubber by 400 per cent.; rubber, even in unusable qualities, by 500 to 600 per cent.; cork itself by 1,000 per cent. and more. Repairs to machinery, when such can be effected, are beyond all price (*nicht mehr zu bezahlen*). Social and fiscal burdens are also mounting beyond endurance.

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